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 NEWS 10  AUG 06  CAS REGISTRY enhanced with new experimental property tags
 NEWS 11  AUG 06  FSTA enhanced with new thesaurus edition
 NEWS 12  AUG 13  CA/CAplus enhanced with additional kind codes for granted
                  patents
 NEWS 13  AUG 20  CA/CAplus enhanced with CAS indexing in pre-1907 records
 NEWS 14  AUG 27  Full-text patent databases enhanced with predefined
                  patent family display formats from INPADOCDB
 NEWS 15  AUG 27  USPATOLD now available on STN
 NEWS 16  AUG 28  CAS REGISTRY enhanced with additional experimental
                  spectral property data
 NEWS 17  SEP 07  STN AnaVist, Version 2.0, now available with Derwent
                  World Patents Index
 NEWS 18  SEP 13  FORIS renamed to SOFIS
 NEWS 19  SEP 13  INPADOCDB enhanced with monthly SDI frequency
 NEWS 20  SEP 17  CA/CAplus enhanced with printed CA page images from
                  1967-1998
 NEWS 21  SEP 17  CAplus coverage extended to include traditional medicine
                  patents
 NEWS 22  SEP 24  EMBASE, EMBAL, and LEMBASE reloaded with enhancements
 NEWS 23  OCT 02  CA/CAplus enhanced with pre-1907 records from Chemisches
                  Zentralblatt
 NEWS 24  OCT 19  BEILSTEIN updated with new compounds

 NEWS EXPRESS  19 SEPTEMBER 2007:  CURRENT WINDOWS VERSION IS V8.2,
               CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP),
               AND CURRENT DISCOVER FILE IS DATED 19 SEPTEMBER 2007.

 NEWS HOURS    STN Operating Hours Plus Help Desk Availability
 NEWS LOGIN    Welcome Banner and News Items
 NEWS IPC8     For general information regarding STN implementation of IPC 8

Enter NEWS followed by the item number or name to see news on that
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* * * * * * * * * * * * * * * STN  Columbus  * * * * * * * * * * * * * * * *

FILE 'HOME' ENTERED AT 11:02:22 ON 25 OCT 2007

=> file reg
COST IN U.S. DOLLARS                                 SINCE FILE      TOTAL
                                                          ENTRY    SESSION
FULL ESTIMATED COST                                        0.21       0.21

FILE 'REGISTRY' ENTERED AT 11:02:31 ON 25 OCT 2007
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
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Property values tagged with IC are from the ZIC/VINITI data file
provided by InfoChem.

STRUCTURE FILE UPDATES:   23 OCT 2007  HIGHEST RN 951288-30-5
DICTIONARY FILE UPDATES:  23 OCT 2007  HIGHEST RN 951288-30-5
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New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH June 29, 2007

 Please note that search-term pricing does apply when
 conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and
predicted properties as well as tags indicating availability of
experimental property data in the original document.  For information
on property searching in REGISTRY, refer to:

http://www.cas.org/support/stngen/stndoc/properties.html

=> ?
The arrow (=>) is the system prompt, where you enter a command.  For
an explanation of system commands, files, formats, etc., enter "HELP"
and the name of the item you want explained at an arrow prompt (=>).
Enter "HELP COMMANDS" for a list of commands that can be used in this
file.  Enter "HELP MESSAGES" for a list of online explanations that
are available.  The "?" can be used as a synonym for "HELP".

Help is also available at any prompt, and after any error message.
Enter "HELP" or "?" at a prompt to see an explanation of the options.
After an error message, enter "HELP" or "?" at the next prompt and you
will receive a more detailed explanation of the error and how to
correct it.

Automatic help is also available.  When AUHELP is 'ON', you will
automatically receive help following an error message.  For more
information on AUHELP, enter "HELP SET AUHELP" at an arrow
prompt (=>).

Users who need additional assistance can contact the Help Desk at
their nearest STN Service Center.  Enter "HELP STN" for information on
STN Service Centers.  You may also choose to contact the database
representative for the file you are searching, for more detailed help
on database content and search strategy.  For information on how to
contact database representatives for the current file, enter "HELP
DESK" at an arrow prompt (=>).

=> help
The arrow (=>) is the system prompt, where you enter a command.  For
an explanation of system commands, files, formats, etc., enter "HELP"
and the name of the item you want explained at an arrow prompt (=>).
Enter "HELP COMMANDS" for a list of commands that can be used in this
file.  Enter "HELP MESSAGES" for a list of online explanations that
are available.  The "?" can be used as a synonym for "HELP".

Help is also available at any prompt, and after any error message.
Enter "HELP" or "?" at a prompt to see an explanation of the options.
After an error message, enter "HELP" or "?" at the next prompt and you
will receive a more detailed explanation of the error and how to
correct it.

Automatic help is also available.  When AUHELP is 'ON', you will
automatically receive help following an error message.  For more
information on AUHELP, enter "HELP SET AUHELP" at an arrow
prompt (=>).
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Users who need additional assistance can contact the Help Desk at
their nearest STN Service Center.  Enter "HELP STN" for information on
STN Service Centers.  You may also choose to contact the database
representative for the file you are searching, for more detailed help
on database content and search strategy.  For information on how to
contact database representatives for the current file, enter "HELP
DESK" at an arrow prompt (=>).

=> help batch
The BATCH command is used to request that a search be run overnight.
This type of searching is used when higher limits on the number of
answers or other search parameters are required for a particular
search.  It may also be priced lower than a search done immediately
online.  All of these factors depend on the file and the system
operator.

The easiest way to request a BATCH search is to enter the command at
an arrow prompt (=>), press the carriage return, and allow yourself to
be prompted for all required information.  The information that the
system needs in order to run a BATCH search includes the L# of the
logic expression, the name of the BATCH request (which must end in
/B), and, if appropriate, the search type and scope.

You may wish to use the QUERY command, rather than the SEARCH command,
to create the logic expression for a BATCH search, especially if you
know that the search will exceed limits or if there are search
charges.  L#s used in BATCH requests may not refer to saved names of
any type.  If you wish to use the query from a saved item, ACTIVATE it
and use the resulting L#.  BATCH search L#s may refer to other L#s or
to E#s from SELECT or EXPAND lists.

After your BATCH search request is run, the request name (name /B) is
deleted, and the answer set from the search is saved as name /A.
Enter "DISPLAY SAVED /B" to see which requests are waiting to be
processed and "DISPLAY SAVED /A" to see a list of saved answer set
names, including those from BATCH requests.  You may DELETE requests
for BATCH searches as long as they appear on the list that displays
by entering "DISPLAY SAVED /B".

=> display saved /a
'/A ' IS NOT VALID HERE
For an explanation, enter "HELP DISPLAY SAVED".

=> struc3/a
SAVED ANSWER SET NAME MAY NOT BE USED IN QUERIES 'STRUC3/A'
Saved answer sets must be activated before they are used in search
profiles.  This must be done in the same file in which they were
created.  Use the FILE command to change files if necessary, then
enter "ACTIVATE" followed by the saved name (including /A) at an arrow
prompt (=>).  Use the L# assigned to the answer set in your search
profile.

=> activate struc3/a
L1                STR
L2           1103 SEA FILE=REGISTRY SSS FUL L1

=> file caplus
COST IN U.S. DOLLARS                                SINCE FILE       TOTAL
                                                         ENTRY     SESSION
FULL ESTIMATED COST                                       0.90        1.11
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FILE 'CAPLUS' ENTERED AT 11:03:43 ON 25 OCT 2007
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FILE COVERS 1907 - 25 Oct 2007  VOL 147 ISS 18
FILE LAST UPDATED: 24 Oct 2007  (20071024/ED)

Effective October 17, 2005, revised CAS Information Use Policies apply.
They are available for your review at:

http://www.cas.org/infopolicy.html

=> l2
L3          162 L2

=> d ibib abs hitstr 1-162
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L3   ANSWER 1 OF 162  CAPLUS  COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER:         2007:910768  CAPLUS
DOCUMENT NUMBER:          147:265765
TITLE:                    Method for manufacturing lithographic printing plates
                          from lithographic printing plate precursors
INVENTOR(S):              Shibuya, Akinori
PATENT ASSIGNEE(S):       Fuji Photo Film Co., Ltd., Japan
SOURCE:                   Jpn. Kokai Tokkyo Koho, 71pp.
                          CODEN: JKXXAF
DOCUMENT TYPE:            Patent
LANGUAGE:                 Japanese
FAMILY ACC. NUM. COUNT:   1
PATENT INFORMATION:

     PATENT NO.          KIND    DATE          APPLICATION NO.         DATE
     ---------------     ----    --------      --------------------    --------
     JP 2007206216        A      20070816      JP 2006-22923           20060131
PRIORITY APPLN. INFO.:                         JP 2006-22923           20060131

GI
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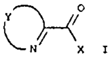

I

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AB   The title method is for a printing plat e precursor, which has a
     photosensitive layer made of: a photochem. sensitizer; a polymerization
     initiator; polymerizable compds.; and a hydrophobic binder polymer of
     ≤0.3 meq/g acid value, and a protective layer on a hydrophilic
     support, and includes the steps of: imagewise irradiating the printing
     plate precursor with 350-450 nm laser beam; developing the image with-10
     pH developer with an automated development apparatus having a rubbing
means for
     imagewise removing the protective layer and the photosensitive layer,
     wherein the photosensitive dye has general structure I( X = mono-valent
     non-metallic group; Y = N-containing heterocyclic ring residue).  The
method
     good development characteristic using 2.0-10.0 pH aqueous developers.
IT   945920-32-1
     RL: CAT (Catalyst use); USES (Uses)
        (photochem. sensitizers; method for manufacturing lithog. printing
plates
        from lithog. printing plate precursors)
RN   945920-32-1  CAPLUS
CN   Methanone, 2-benzothiazolyl(2,4,6-trimethoxyphenyl)-  (CA INDEX NAME)
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L3   ANSWER 1 OF 162  CAPLUS  COPYRIGHT 2007 ACS on STN     (Continued)
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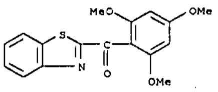

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L3   ANSWER 2 OF 162  CAPLUS  COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER:         2007:845492  CAPLUS
DOCUMENT NUMBER:          147:235186
TITLE:                    Preparation of substituted phthalazinamines as Aurora
                          kinase modulators
INVENTOR(S):              Cee, Victor J.; Deak, Holly L.; Du, Bingfan;
                          Geuns-Meyer, Stephanie D.; Hodous, Brian L.; Nguyen,
                          Hanh Nho; Olivieri, Philip R.; Patel, Vinod F.;
                          Romero, Karina; Schenkel, Laurie
PATENT ASSIGNEE(S):       Amgen Inc., USA
SOURCE:                   PCT Int. Appl., 189pp.
                          CODEN: PIXXD2
DOCUMENT TYPE:            Patent
LANGUAGE:                 English
FAMILY ACC. NUM. COUNT:   1
PATENT INFORMATION:

     PATENT NO.          KIND    DATE          APPLICATION NO.         DATE
     ---------------     ----    --------      --------------------    --------
     WO 2007087276        A1     20070802      WO 2007-US1714          20070122
         W:  AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH,
             CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD,
             GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN,
             KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK,
             MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO,
             RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT,
             TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW
         RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE,
             IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ,
             CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH,
             GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY,
             KG, KZ, MD, RU, TJ, TM
     US 2007185111        A1     20070809      US 2007-655642          20070118
PRIORITY APPLN. INFO.:                         US 2006-761675P      P  20060123

                                               US 2007-655642       A  20070118

OTHER SOURCE(S):          MARPAT 147:235186
GI


* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY -  AVAILABLE VIA OFFLINE PRINT *

AB   The title compds. I [A1, A2 = N or CR9 (provided that at least one of A1
     and A2 = N); C1 = N or CR10; C2 = N or CH; D = (un)substituted 5-6
     membered (hetero)aryl; L1, L2 = NR3, O, S, etc.; Z = fully unsatd. 5-6
     membered monocyclic ring optionally containing 1-3 heteroatoms, etc.;
R3, R4 =
     (un)substituted SH, OH, NH2, etc.; R6-R10 = (un)substituted SH, OH, NH2,
     etc.] which are capable of modulating various protein kinase receptor
     enzymes and, thereby, influencing various disease states and conditions
     related to the activities of such kinases, were prepared  Thus, reacting
     4-[2-(4-aminophenoxy)pyridin-3-yl]-N-methylpyridin-2-amine with
     1-chloro-4-phenylphthalazine afforded II.  The compds. I are capable of
     modulating Aurora kinase thereby influencing the process of cell cycle
and
     cell proliferation to treat cancer and cancer-related diseases.  The
     invention also includes pharmaceutical compns., including the compds. I,
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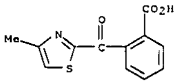
L3   ANSWER 2 OF 162  CAPLUS  COPYRIGHT 2007 ACS on STN     (Continued)
     and methods of treating disease states related to the activity of Aurora
     kinase.
IT   945599-90-6P
     RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT
     (Reactant or reagent)
        (preparation of substituted phthalazinamines as Aurora kinase
modulators)
RN   945599-90-6  CAPLUS
CN   Benzoic acid, 2-[(4-methyl-2-thiazolyl)carbonyl]-  (CA INDEX NAME)
```



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REFERENCE COUNT:           2     THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS
                                 RECORD. ALL CITATIONS AVAILABLE IN THE RE

FORMAT
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L3   ANSWER 3 OF 162  CAPLUS  COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER:         2007:845261  CAPLUS
DOCUMENT NUMBER:          147:235154
TITLE:                    Preparation of thiazole and thiadiazole compounds for
                          treating inflammation, immune disorders, and other
                          diseases
INVENTOR(S):              Vo, Nha Huu; Chen, Shoujun; Che, Qinglin; Xie, Yu
PATENT ASSIGNEE(S):       Synta Pharmaceuticals Corp., USA
SOURCE:                   PCT Int. Appl., 210pp.
                          CODEN: PIXXD2
DOCUMENT TYPE:            Patent
LANGUAGE:                 English
FAMILY ACC. NUM. COUNT:   1
PATENT INFORMATION:

     PATENT NO.          KIND   DATE        APPLICATION NO.        DATE
     ---------------     ----   --------    --------------------   --------
     WO 2007087427        A2    20070802    WO 2007-US2121         20070125
         W:  AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH,
             CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD,
             GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN,
             KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK,
             MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO,
             RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT,
             TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW
         RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE,
             IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ,
             CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH,
             GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY,
             KG, KZ, MD, RU, TJ, TM
PRIORITY APPLN. INFO.:                      US 2006-761933P     P  20060125

                                            US 2006-761974P     P  20060125

OTHER SOURCE(S):          MARPAT 147:235154
GI
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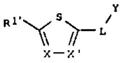

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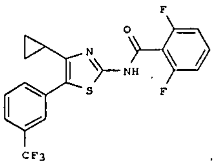

, II

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AB   The invention relates to compds. of structural formula (I) or a
     pharmaceutically acceptable salt, solvate, clathrate, or prodrug thereof,
     wherein Y is (un)substituted alkyl, cycloalkyl, cycloalkenyl, alkenyl,
     heterocyclyl, aryl, or heteroaryl; R'1 is (un)substituted aryl or
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     heteroaryl, but not a pyrazolyl; X and X' are CH, CZ, or N; provided that
     at least one of X or X' is N; L is a linker; and Z is a substituent.
     These compds. are useful as immunosuppressive agents and for treating and
     preventing inflammatory conditions, allergic disorders, and immune
     disorders.  Example compd. II was prepd. by reacting 4-cyclopropyl-5-[3-
     (trifluoromethyl)phenyl]thiazol-2-amine (prepn. given) with
     2,6-difluorobenzoyl chloride.  In an assay run in Jurkat cells to measure
     the ability of the test compds. to inhibit cytokine prodn., II had an
IC50
     of 50-100 nM as an inhibitor of IL-2 prodn.
IT   945226-83-5P, 4-Methyl-5-(3-trifluoromethylphenyl)thiazole-2-
     carboxylic acid N-(2,6-difluorophenyl)amide 945227-71-4P,
     N-(2,6-Difluorophenyl)-4-methyl-5-[3-(oxazol-2-yl)phenyl]thiazole-2-
     carboxamide 945227-72-5P, Methyl 3-[2-(2,6-
     difluorophenylcarbamoyl)-4-methylthiazol-5-yl]benzoate
     945227-73-6P, 5-[3-(1,3,4-Oxadiazol-2-yl)phenyl]-N-(2,6-
     difluorophenyl)-4-methylthiazole-2-carboxamide 945227-74-7P,
     5-[2-Chloro-5-(trifluoromethyl)phenyl]-N-(2,6-difluorophenyl)-4-
     methylthiazole-2-carboxamide 945227-83-8P, 5-[2-Chloro-5-
     (trifluoromethyl)phenyl]-N-(2,6-difluorophenyl)thiazole-2-carboxamide
     945227-84-9P, N-(2,6-Difluorophenyl)-5-[3-
     (trifluoromethyl)phenyl]thiazole-2-carboxamide 945227-85-0P,
     N-(2,6-Difluorophenyl)-5-[3-(oxazol-2-yl)phenyl]thiazole-2-carboxamide
     RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU
     (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES
     (Uses)
        (drug candidate; preparation of thiazole and thiadiazole compds. for
        treating inflammation, immune disorders, and other diseases)
RN   945226-83-5  CAPLUS
CN   2-Thiazolecarboxamide, N-(2,6-difluorophenyl)-4-methyl-5-[3-
     (trifluoromethyl)phenyl]-  (CA INDEX NAME)
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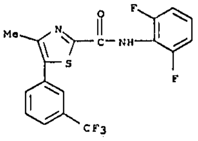
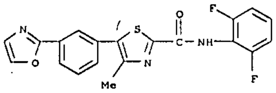
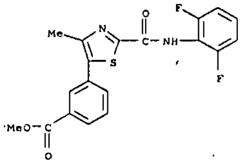


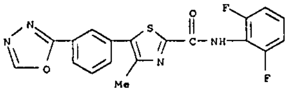
```
RN   945227-71-4  CAPLUS
CN   2-Thiazolecarboxamide, N-(2,6-difluorophenyl)-4-methyl-5-[3-(2-
     oxazolyl)phenyl]-  (CA INDEX NAME)
```



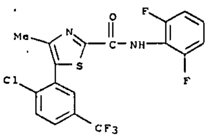
```
RN   945227-72-5  CAPLUS
CN   Benzoic acid, 3-[2-[[(2,6-difluorophenyl)amino]carbonyl]-4-methyl-5-
     thiazolyl]-, methyl ester  (CA INDEX NAME)
```



```
RN   945227-73-6  CAPLUS
CN   2-Thiazolecarboxamide, N-(2,6-difluorophenyl)-4-methyl-5-[3-(1,3,4-
     oxadiazol-2-yl)phenyl]-  (CA INDEX NAME)
```



```
RN   945227-74-7  CAPLUS
CN   2-Thiazolecarboxamide, 5-[2-chloro-5-(trifluoromethyl)phenyl]-N-(2,6-
     difluorophenyl)-4-methyl-  (CA INDEX NAME)
```



```
RN   945227-83-8  CAPLUS
CN   2-Thiazolecarboxamide, 5-[2-chloro-5-(trifluoromethyl)phenyl]-N-(2,6-
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     difluorophenyl)-  (CA INDEX NAME)
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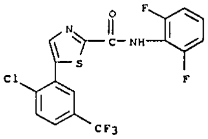

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RN   945227-84-9  CAPLUS
CN   2-Thiazolecarboxamide, N-(2,6-difluorophenyl)-5-[3-
     (trifluoromethyl)phenyl]-.  (CA INDEX NAME)
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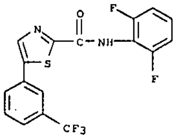

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RN   945227-85-0  CAPLUS
CN   2-Thiazolecarboxamide, N-(2,6-difluorophenyl)-5-[3-(2-oxazolyl)phenyl]-
     (CA INDEX NAME)
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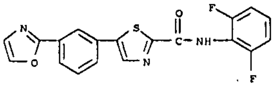

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L3   ANSWER 4 OF 162  CAPLUS  COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER:         2007:510466  CAPLUS
DOCUMENT NUMBER:          146:501048
TITLE:                    Preparation of heterocyclic amide compounds as FXR
                          inhibitors
INVENTOR(S):              Miura, Shotaro; Shimada, Mitsuyuki; Marui, Shogo;
                          Tamura, Norikazu; Nakada, Yoshihisa; Tozawa, Ryuichi;
                          Sakamoto, Junichi; Funabashi, Yasunori; Hosono,
                          Hiroshi
PATENT ASSIGNEE(S):       Takeda Pharmaceutical Company Limited, Japan
SOURCE:                   PCT Int. Appl., 1320pp.
                          CODEN: PIXXD2
DOCUMENT TYPE:            Patent
LANGUAGE:                 Japanese
FAMILY ACC. NUM. COUNT:   1
PATENT INFORMATION:

     PATENT NO.          KIND    DATE          APPLICATION NO.          DATE
     ---------------     ----    --------      --------------------     --------
     WO 2007052843        A1     20070510      WO 2006-JP322420         20061102
         W:  AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH,
             CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD,
             GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN,
             KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK,
             MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO,
             RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT,
             TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW
         RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE,
             IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ,
             CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH,
             GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY,
             KG, KZ, MD, RU, TJ, TM
PRIORITY APPLN. INFO.:                         JP 2005-321600       A  20051104

                                               JP 2006-251883       A  20060915

OTHER SOURCE(S):          MARPAT 146:501048
GI
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L3   ANSWER 4 OF 162  CAPLUS  COPYRIGHT 2007 ACS on STN      (Continued)
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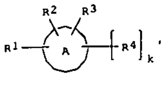

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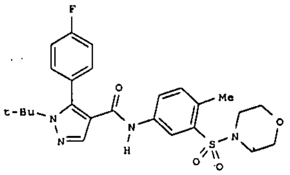

II

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AB   Title compds. I [ring A = aromatic heterocycle; R1, R2 = (un)substituted
     alkyl, (un)substituted alkylthio, (un)substituted alkylsulfonyl, etc.; R3
     = -CONH-(CR6R7)n-Ar-(X)l-(Y)m-R; Ar = (un)substituted divalent cyclic
     group; X = (un)substituted alkylene, (un)substituted alkenylene; Y =
     -SO2-, -SO-, -S-, etc.; R = H, (un)substituted cyclic group,
     (un)substituted amino, etc.; R6, R7 = H, alkyl; l, m, n = 0, 1; R3 is
     bonded to carbon in ring A.; R4 = H, (un)substituted alkyl, cyano, etc.;
k
     = 0, 1], salts or prodrugs thereof were prepared  For example, treatment
of
     1-tert-butyl-5-(4-fluorophenyl)-1H-pyrazole-4-carboxylic acid, e.g.,
     prepared from (p-fluorobenzoyl)acetic acid Et ester in 2 steps, with
oxalyl
     chloride followed by reaction with 4-methyl-3-(morpholin-4-
     ylsulfonyl)aniline afforded compound II.  In FXR (farnesoid X receptor)
     inhibition assays, the IC50 value of compound II was 0.57 nM.  Of note,
     compds. I are useful for the treatment of hyperlipidemia,
atherosclerosis,
     etc.
IT   936119-55-0P 936119-59-4P 936122-34-8P
     936122-35-9P 936122-38-2P 936122-39-3P
     RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU
     (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES
     (Uses)
        (preparation of heterocyclic amide compds. as FXR inhibitors)
RN   936119-55-0  CAPLUS
CN   1H-Pyrazole-4-carboxamide, N-[4-chloro-3-(2-thiazolylcarbonyl)phenyl]-1-
     (1,1-dimethylethyl)-5-(4-fluorophenyl)-  (CA INDEX NAME)
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L3   ANSWER 4 OF 162  CAPLUS  COPYRIGHT 2007 ACS on STN      (Continued)
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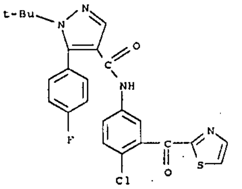

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RN   936119-59-4  CAPLUS
CN   1H-Pyrazole-4-carboxamide, 1-(1,1-dimethylethyl)-5-(4-fluorophenyl)-N-[4-
     fluoro-3-(2-thiazolylcarbonyl)phenyl]-  (CA INDEX NAME)
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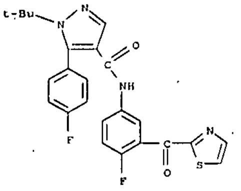

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RN   936122-34-8  CAPLUS
CN   1H-Pyrazole-4-carboxamide,
N-[4-chloro-3-(2-thiazolylcarbonyl)phenyl]-3-(4-
     fluorophenyl)-1-(2-pyridinyl)-  (CA INDEX NAME)
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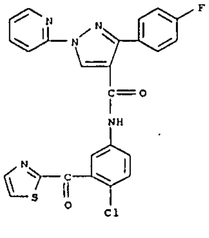

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L3   ANSWER 4 OF 162  CAPLUS  COPYRIGHT 2007 ACS on STN      (Continued)
RN   936122-35-9  CAPLUS
CN   1H-Pyrazole-4-carboxamide,
N-[4-chloro-3-(2-thiazolylcarbonyl)phenyl]-3-(4-
     fluorophenyl)-1-phenyl-  (CA INDEX NAME)
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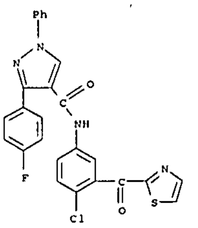

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RN   936122-38-2  CAPLUS
CN   1H-Pyrazole-4-carboxamide, 3-(4-fluorophenyl)-N-[4-fluoro-3-(2-
     thiazolylcarbonyl)phenyl]-1-(2-pyridinyl)-  (CA INDEX NAME)
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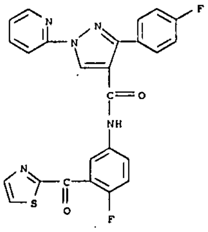

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RN   936122-39-3  CAPLUS
CN   1H-Pyrazole-4-carboxamide, 3-(4-fluorophenyl)-N-[4-fluoro-3-(2-
     thiazolylcarbonyl)phenyl]-1-phenyl-  (CA INDEX NAME)
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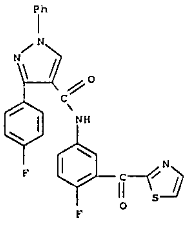
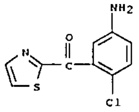
L3 ANSWER 4 OF 162 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

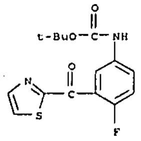


IT 936126-12-4P 936126-17-9P 936126-18-0P
936131-15-6P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation of heterocyclic amide compds. as FXR inhibitors)

RN 936126-12-4 CAPLUS
CN Methanone, (5-amino-2-chlorophenyl)-2-thiazolyl- (CA INDEX NAME)

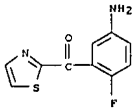


RN 936126-17-9 CAPLUS
CN Carbamic acid, N-[4-fluoro-3-(2-thiazolylcarbonyl)phenyl]-, 1,1-dimethylethyl ester (CA INDEX NAME)

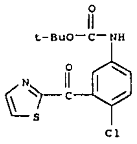


L3 ANSWER 4 OF 162 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

RN 936126-18-0 CAPLUS
CN Methanone, (5-amino-2-fluorophenyl)-2-thiazolyl- (CA INDEX NAME)



RN 936131-15-6 CAPLUS
CN Carbamic acid, N-[4-chloro-3-(2-thiazolylcarbonyl)phenyl]-, 1,1-dimethylethyl ester (CA INDEX NAME)



REFERENCE COUNT: 83 THERE ARE 83 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 5 OF 162 CAPLUS COPYRIGHT 2007 ACS on STN

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ACCESSION NUMBER:        2007:485607  CAPLUS
DOCUMENT NUMBER:         146:482079
TITLE:                   Preparation of 2-aminodihydrothiazine derivatives as
                         β-secretase inhibitors
INVENTOR(S):             Kobayashi, Naotake; Ueda, Kazuo; Itoh, Naohiro;
                         Suzuki, Shinji; Sakaguchi, Gaku; Kato, Akira;
                         Yukimasa, Akira; Hori, Akihiro; Koriyama, Yuji;
                         Haraguchi, Hidekazu; Yasui, Ken; Kanda, Yasuhiko
PATENT ASSIGNEE(S):      Japan
SOURCE:                  PCT Int. Appl., 330pp.
                         CODEN: PIXXD2
DOCUMENT TYPE:           Patent
LANGUAGE:                Japanese
FAMILY ACC. NUM. COUNT:  1
PATENT INFORMATION:

     PATENT NO.          KIND    DATE        APPLICATION NO.         DATE
     ---------------     ----    --------    --------------------    --------
     WO 2007049532        A1     20070503    WO 2006-JP321015        20061023
         W:  AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH,
             CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD,
             GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN,
             KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK,
             MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO,
             RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT,
             TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW
         RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE,
             IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ,
             CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH,
             GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY,
             KG, KZ, MD, RU, TJ, TM
PRIORITY APPLN. INFO.:                       JP 2005-309642      A  20051025

                                             JP 2006-76636       A  20060320

OTHER SOURCE(S):         MARPAT 146:482079
GI
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* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

AB The title compds. [I; ring A = (un)substituted carbocyclyl or heterocyclyl; E = a single bond, Alk1, O-Alk1, S-Alk1, N(R0)-Alk1; Alk1 = lower alkylene or lower alkenylene; R0 = H, lower alkyl, acyl; X = S, O, NR1; R1 = H, lower alkyl; R2a, R2b = H, HO, (un)substituted lower alkyl, lower alkenyl, NH2, amidino, acyl, CONH2, carbamoylcarbonyl, lower alkylsulfonyl, arylsulfonyl, carbocyclyl, or heterocyclyl; R3a, R3b, R4a, R4b = H, halo, CO2H, (un)substituted lower alkyl, lower alkenyl, acyl, lower alkoxycarbonyl, NH2, CONH2, carbocyclyl, or heterocyclyl; n m = an integer of 0-3; n+m = 1-3; R5 = H, (un)substituted lower alkyl, lower alkenyl, lower alkynyl, carbocyclyl, or heterocyclyl; when E = a single bond, the ring A and R5 together form a bicyclic fused ring] pharmaceutically acceptable salts thereof or solvates of either are prepared

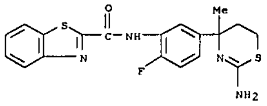
A β-site APP-cleaving enzyme 1 (BACE 1, β-secretase) inhibitor containing, as an active ingredient, any one of a compound represented by the

L3 ANSWER 5 OF 162 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

formula I is claimed. These compds. inhibit the prodn. of amyloid β-protein and are useful for the treatment of diseases induced by prodn., secretion, or deposition of amyloid β-protein, e.g. Alzheimer's disease. Thus, amidation of 4-methyl-4-(3-amino-5-bromophenyl)-2-(tert-butoxycarbonylamino)-5,6-dihydro-4H-1,3-thiazine with 4-bromobenzoyl chloride in the presence of Et3N in THF for 40 min under ice-cooling followed by treatment with 4 M HCl/1,4-dioxane for 24 h gave benzamide (II). The compd. II and benzamide (III) showed IC50 of 0.140 and 0.027 μg/mL against recombinant human β-secretase.

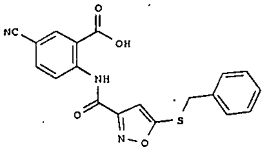
IT 935995-79-2P
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of 2-aminodihydrothiazine derivs. as β-secretase inhibitors)

RN 935995-79-2 CAPLUS
CN 2-Benzothiazolecarboxamide, N-[5-(2-amino-5,6-dihydro-4-methyl-4H-1,3-thiazin-4-yl)-2-fluorophenyl]- (CA INDEX NAME)



REFERENCE COUNT: 45 THERE ARE 45 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 6 OF 162 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2007:382161 CAPLUS
DOCUMENT NUMBER: 147:9830
TITLE: Preparation of novel antibacterial agents. Replacement of the central aromatic ring with heterocycles
AUTHOR(S): Li, Jianke; Wakefield, Brian D.; Ruble, J. Craig; Stiff, Cory M.; Romero, Donna L.; Marotti, Keith R.; Sweeney, Michael T.; Zurenko, Gary E.; Rohrer, Douglas C.; Thorarensen, Atli
CORPORATE SOURCE: Medicinal Chemistry and Infectious Diseases Biology, Pharmacia Corporation, Kalamazoo, MI, 49001, USA
SOURCE: Bioorganic & Medicinal Chemistry Letters (2007), 17(8), 2347-2350
CODEN: BMCLE8; ISSN: 0960-894X
PUBLISHER: Elsevier Ltd.
DOCUMENT TYPE: Journal
LANGUAGE: English
OTHER SOURCE(S): CASREACT 147:9830
GI



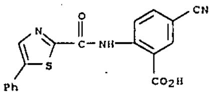
I

AB Discovery of novel antibacterial agents is a significant challenge. Discovery of novel antibacterial agents has been reported recently in which potency has been optimized rapidly utilizing a parallel chemical approach. These advanced leads suffer from high affinity for human serum albumin (HSA). In an effort to decrease the affinity for HSA, (heteroarylcarboxamido)benzoic acid derivs., e.g., I, have been prepared which retained antibacterial activity and demonstrated reduced affinity for HSA.

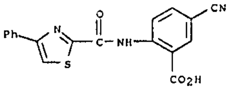
IT 668977-11-5P 668977-12-6P 668977-13-7P
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)
(preparation, antibacterial activity, and SAR of (heteroarylcarboxamido)benzoic acids)

RN 668977-11-5 CAPLUS
CN Benzoic acid, 5-cyano-2-[[(5-phenyl-2-thiazolyl)carbonyl]amino]- (CA INDEX NAME)

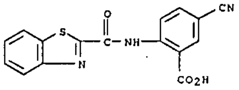
L3 ANSWER 6 OF 162 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



RN 668977-12-6 CAPLUS
CN Benzoic acid, 5-cyano-2-[[(4-phenyl-2-thiazolyl)carbonyl]amino]- (CA INDEX NAME)



RN 668977-13-7 CAPLUS
CN Benzoic acid, 2-[(2-benzothiazolylcarbonyl)amino]-5-cyano- (CA INDEX NAME)



REFERENCE COUNT: 21 THERE ARE 21 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 7 OF 162 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2007:175441 CAPLUS
DOCUMENT NUMBER: 146:229616
TITLE: Preparation of macrocyclic inhibitors of hepatitis C virus
INVENTOR(S): Waehling, Horst; Samuelsson, Bertil
PATENT ASSIGNEE(S): Medivir AB, Swed.
SOURCE: PCT Int. Appl., 132pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

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     PATENT NO.          KIND    DATE      APPLICATION NO.         DATE
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     WO 2007017144        A2     20070215  WO 2006-EP7514          20060728
         W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH,
             CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD,
             GE, GH, GM, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP,
             KR, KZ, LA, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN,
             MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU,
             SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG,
             US, UZ, VC, VN, ZA, ZM, ZW
         RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE,
             IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ,
             CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH,
             GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY,
             KG, KZ, MD, RU, TJ, TM
PRIORITY APPLN. INFO.:                     EP 2005-107059      A  20050729
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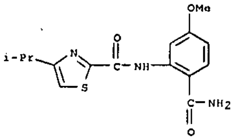
OTHER SOURCE(S): MARPAT 146:229616
GI

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

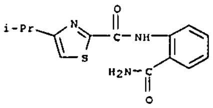
AB The invention relates to macrocyclic compds. I [the dashed line represents an optional double bond; X is (CH2)3-6; L is N, CH, or C; A is OH, OR4 (R4 is alkyl, alkylenecarbo- or alkyleneheterocyclyl), NHSO1-2R5 (R5 is a group R4 or NRaRb, where Ra is H, alkyl, or alkoxy and Rb is H, alkoxy, or a group R4), NHR6 (R6 is a group R4, alkoxy, -O-alkylenecarbo- or -heterocyclyl), NRaRb, CONHR6, or CONRaRb; W is CH2, O, O2CNH, O2C, S, NH, NRa, NHSO2, NHCONH, NHCO, NHC(S), or a bond; R1 is a ring system containing 1 or 2 rings each having 4-7 ring atoms each of which has 0-4 hetero atoms independently selected from S, O and N, the ring system being optionally spaced from W by a C1-C3 alkylene group; or R1 is alkyl; R2 is H, alkyl; R3, R3' are alkyl], including N-oxides, salts, and stereoisomers, which have utility in the inhibition of NS3 serine proteases such as flavivirus infections. Thus, macrocycle II was prepared by a multistep procedure which includes ring-forming metathesis reaction and assayed for inhibition of HCV NS3/4A protease (EC50 0.5-49 nM, Ki 0.1-4.9 nM).

L3 ANSWER 7 OF 162 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)
IT 923274-25-3P 923274-27-5P 924289-21-4P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation of macrocyclic inhibitors of hepatitis C virus)

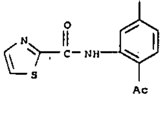
RN 923274-25-3 CAPLUS
CN 2-Thiazolecarboxamide, N-[2-(aminocarbonyl)-5-methoxyphenyl]-4-(1-methylethyl)- (CA INDEX NAME)



RN 923274-27-5 CAPLUS
CN 2-Thiazolecarboxamide, N-[2-(aminocarbonyl)phenyl]-4-(1-methylethyl)- (CA INDEX NAME)



RN 924289-21-4 CAPLUS
CN 2-Thiazolecarboxamide, N-(2-acetyl-5-methoxyphenyl)- (CA INDEX NAME)



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L3   ANSWER 8 OF 162  CAPLUS  COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER:         2007:150951  CAPLUS
DOCUMENT NUMBER:          146:206650
TITLE:                    Preparation of macrocyclic inhibitors of hepatitis C
                          virus
INVENTOR(S):              Raboisson, Pierre Jean-Marie Bernard; De Kock, Herman
                          Augustinus; Hu, Lili; Simmen, Kenneth Alan;
Lindquist,
                          Karin Charlotta; Lindstroem, Mats Stefan; Belfrage,
                          Anna Karin Gertrud Linnea; Waehling, Horst Juergen;
                          Nilsson, Karl Magnus; Samuelsson, Bengt Bertil;
                          Rosenquist, Aasa Annica Kristina; Sahlberg, Sven
                          Crister; Wallberg, Hans Kristian; Kahnberg, Pia
                          Cecilia; Classon, Bjoern Olof
PATENT ASSIGNEE(S):       Tibotec Pharmaceuticals Ltd., Ire.; Medivir AB
SOURCE:                   PCT Int. Appl., 158pp.
                          CODEN: PIXXD2
DOCUMENT TYPE:            Patent
LANGUAGE:                 English
FAMILY ACC. NUM. COUNT:   1
PATENT INFORMATION:

     PATENT NO.          KIND   DATE         APPLICATION NO.        DATE
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     WO 2007014927        A2    20070208     WO 2006-EP64822        20060728
         W:  AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH,
             CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD,
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             KR, KZ, LA, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN,
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             SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG,
             US, UZ, VC, VN, ZA, ZM, ZW
         RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE,
             IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ,
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             GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY,
             KG, KZ, MD, RU, TJ, TM
PRIORITY APPLN. INFO.:                       EP 2005-107057      A  20050729

                                             EP 2006-113097      A  20060425

OTHER SOURCE(S):          MARPAT 146:206650
GI


* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY -  AVAILABLE VIA OFFLINE PRINT *

AB   The invention relates to macrocyclic compds. I [the dashed line
represents
     an optional double bond; X is (CH2)3-6; L is N, CH, or C; A is OH, OR4,
or
     NHSO1-2R5, where R4 and R5 are alkyl, alkylenecarbocyclyl, or
     alkyleneheterocyclyl; R1 is (un)substituted quinazolinyl; R2 is H, alkyl;
     R3 is H, alkyl, alkoxyalkyl, or cycloalkyl], including N-oxides, salts,
```

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L3   ANSWER 8 OF 162  CAPLUS  COPYRIGHT 2007 ACS on STN      (Continued)
     and stereoisomers, which have utility in the treatment or prophylaxis of
     flaviviral infections such as HCV.  Thus, macrocycle II was prepd. by a
     multistep procedure which includes ring-forming metathesis reaction and
     assayed for inhibition of HCV NS3/4A protease (EC50 = 0.5-199 nM, Ki =
     0.1-4.9 nM).
IT   923274-25-3P 923274-27-5P 923274-69-5P
     RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT
     (Reactant or reagent)
        (preparation of macrocyclic inhibitors of hepatitis C virus)
RN   923274-25-3  CAPLUS
CN   2-Thiazolecarboxamide, N-[2-(aminocarbonyl)-5-methoxyphenyl]-4-(1-
     methylethyl)-  (CA INDEX NAME)
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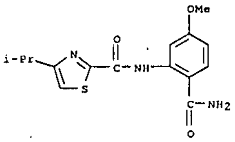

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RN   923274-27-5  CAPLUS
CN   2-Thiazolecarboxamide, N-[2-(aminocarbonyl)phenyl]-4-(1-methylethyl)-
(CA
     INDEX NAME)
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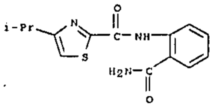

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RN   923274-69-5  CAPLUS
CN   2-Thiazolecarboxamide,
N-[6-(aminocarbonyl)-3-methoxy-2-methylphenyl]-4-(1-
     methylethyl)-  (CA INDEX NAME)
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L3   ANSWER 8 OF 162  CAPLUS  COPYRIGHT 2007 ACS on STN      (Continued)
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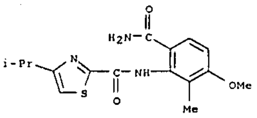

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L3   ANSWER 9 OF 162  CAPLUS  COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER:         2007:150190  CAPLUS
DOCUMENT NUMBER:          146:206646
TITLE:                    Preparation of macrocyclic inhibitors of hepatitis C
                          virus
INVENTOR(S):              Raboisson, Pierre Jean-Marie Bernard; De Kock, Herman
                          Augustinus; Hu, Lili; Vendeville, Sandrine Marie
                          Helene; Tahri, Abdellah; Surleraux, Dominique Louis
                          Nestor Ghislain; Simmen, Kenneth Alan; Nilsson, Karl
                          Magnus; Samuelsson, Bengt Bertil; Rosenquist, Aasa
                          Annica Kristina; Ivanov, Vladimir; Pelcman, Michael;
                          Belfrage, Anna Karin Gertrud Linnea; Johansson,
                          Per-Ola Mikael
PATENT ASSIGNEE(S):       Tibotec Pharmaceuticals Ltd., Ire.; Medivir AB
SOURCE:                   PCT Int. Appl., 157pp.
                          CODEN: PIXXD2
DOCUMENT TYPE:            Patent
LANGUAGE:                 English
FAMILY ACC. NUM. COUNT:   1
PATENT INFORMATION:

     PATENT NO.          KIND   DATE         APPLICATION NO.        DATE
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     WO 2007014926        A1    20070208     WO 2006-EP64820        20060728
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             KR, KZ, LA, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN,
             MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU,
             SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG,
             US, UZ, VC, VN, ZA, ZM, ZW
         RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE,
             IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ,
             CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH,
             GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY,
             KG, KZ, MD, RU, TJ, TM
PRIORITY APPLN. INFO.:                       EP 2005-107074      A  20050729

                                             EP 2005-107417      A  20050811

                                             EP 2006-101280      A  20060203

OTHER SOURCE(S):          MARPAT 146:206646
GI


* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY -  AVAILABLE VIA OFFLINE PRINT *

AB   The invention relates to macrocyclic peptides I [the dashed line
     represents an optional double bond; X is N, CH, or C; X1 is (CH2)3-6; R1
     is OH, OR7, or NHSO2R8, where R7 and R8 are (un)substituted alkyl,
     cycloalkyl, Ph, or heterocyclyl; R2 is H, alkyl; R3 is H, alkyl,
     alkoxyalkyl, or cycloalkyl; R4 is (un)substituted Ph or heterocyclyl; R5
     is halo, alkyl, hydroxy, alkoxy, polyhaloalkyl, Ph, or heterocyclyl; R6
is
     alkoxy, dimethylamino], including N-oxides, salts, and stereoisomers,
     which are inhibitors of HCV replication.  Bioavailable combinations of
the
```

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L3   ANSWER 9 OF 162  CAPLUS  COPYRIGHT 2007 ACS on STN      (Continued)
     inhibitors I with ritonavir are also provided.  Thus, macrocyclic compd.
     II was prepd. by a multistep procedure which includes ring-forming
     metathesis reaction and assayed for inhibition of HCV NS3/4A protease
     (EC50 = 0.00618 μM, Ki = 0.00050 μM).  Ritonavir substantially
     enhances the pharmacokinetics of compd. II in rat, with overall exposures
     expressed as AUC increasing over 2-fold.
IT   923289-16-1P 923289-20-7P 923289-37-6P
     RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT
     (Reactant or reagent)
        (preparation of macrocyclic peptide inhibitors of hepatitis C virus)
RN   923289-16-1  CAPLUS
CN   2-Thiazolecarboxamide, N-(6-acetyl-3-methoxy-2-methylphenyl)-, (CA INDEX
     NAME)
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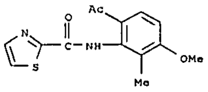

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RN   923289-20-7  CAPLUS
CN   2-Thiazolecarboxamide, N-(6-acetyl-3-methoxy-2-methylphenyl)-4-(1-
     methylethyl)-  (CA INDEX NAME)
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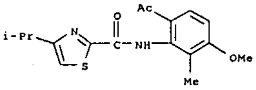

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RN   923289-37-6  CAPLUS
CN   2-Thiazolecarboxamide, N-(6-acetyl-2-chloro-3-methoxyphenyl)-4-(1-
     methylethyl)-  (CA INDEX NAME)
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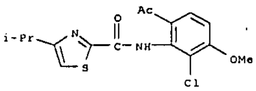

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REFERENCE COUNT:          4      THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS
                                 RECORD. ALL CITATIONS AVAILABLE IN THE RE
FORMAT
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L3   ANSWER 10 OF 162  CAPLUS  COPYRIGHT 2007 ACS on STN      (Continued)
     procedure which includes ring-forming metathesis reaction and assayed for
     inhibition of HCV NS3/4A protease (EC50 = 0.017 μM).  An expt. shows
     almost complete blocking of compd. II metab. by addn. of 10 μM
     ritonavir.
IT   923289-16-1P 923289-20-7P 923289-31-0P
     923289-37-6P
     RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT
     (Reactant or reagent)
        (preparation of macrocyclic peptide inhibitors of hepatitis C virus)
RN   923289-16-1  CAPLUS
CN   2-Thiazolecarboxamide, N-(6-acetyl-3-methoxy-2-methylphenyl)-  (CA INDEX
     NAME)
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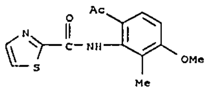

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RN   923289-20-7  CAPLUS
CN   2-Thiazolecarboxamide, N-(6-acetyl-3-methoxy-2-methylphenyl)-4-(1-
     methylethyl)-  (CA INDEX NAME)
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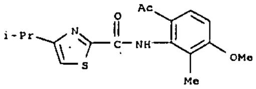

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RN   923289-31-0  CAPLUS
CN   2-Thiazolecarboxamide, N-(6-acetyl-2-bromo-3-methoxyphenyl)-  (CA INDEX
     NAME)
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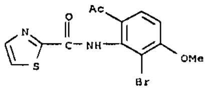

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RN   923289-37-6  CAPLUS
CN   2-Thiazolecarboxamide, N-(6-acetyl-2-chloro-3-methoxyphenyl)-4-(1-
     methylethyl)-  (CA INDEX NAME)
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L3   ANSWER 10 OF 162  CAPLUS  COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER:        2007:147011  CAPLUS
DOCUMENT NUMBER:         146:206645
TITLE:                   Preparation of macrocyclic inhibitors of hepatitis C
                         virus
INVENTOR(S):             Raboisson, Pierre Jean-Marie Bernard; De Kock, Herman
                         Augustinus; Vendeville, Sandrine Marie Helene; Hu,
                         Lili; Van De Vreken, Wim; Mc Gowan, David Craig;
                         Tahri, Abdellah; Surleraux, Dominique Louis Nestor
                         Ghislain; Simmen, Kenneth Alan
PATENT ASSIGNEE(S):      Tibotec Pharmaceuticals Ltd., Ire.
SOURCE:                  PCT Int. Appl., 132pp.
                         CODEN: PIXXD2
DOCUMENT TYPE:           Patent
LANGUAGE:                English
FAMILY ACC. NUM. COUNT:  1
PATENT INFORMATION:

     PATENT NO.          KIND   DATE        APPLICATION NO.          DATE
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     WO 2007014919        A1    20070208    WO 2006-EP64813          20060728
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             GE, GH, GM, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP,
             KR, KZ, LA, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN,
             MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU,
             SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG,
             US, UZ, VC, VN, ZA, ZM, ZW
        RW:  AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE,
             IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ,
             CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH,
             GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY,
             KG, KZ, MD, RU, TJ, TM
PRIORITY APPLN. INFO.:                          EP 2005-107067       A  20050729

                                                EP 2005-107413       A  20050811

OTHER SOURCE(S):         MARPAT 146:206645
GI
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* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY -  AVAILABLE VIA OFFLINE PRINT *

AB   The invention relates to HCV inhibitory macrocycles I [the dashed line
     represents an optional double bond; L is a bond, O, oxyalkanediyl, OCO,
     oxycarbonylimino, or oxycarbonyliminoalkanediyl; X is (CH2)3-6; R1 is
aryl
     or a mono- or bicyclic heterocyclic ring system; R2 is H, OH, alkoxy,
     carboxy or ester, carbamoyl, sulfonylamino, etc.; R3, R4 are H or alkyl;
     or R3R4C is cycloalkyl], including N-oxides, salts, and stereoisomers,
     pharmaceutical compns. containing them and processes for their
preparation
     Bioavailable combinations of the inhibitors I with ritonavir are also
     provided.  Thus, macrocyclic peptide II was prepared by a multistep
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L3   ANSWER 10 OF 162  CAPLUS  COPYRIGHT 2007 ACS on STN      (Continued)
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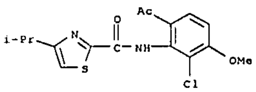

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REFERENCE COUNT:          1      THERE ARE 1 CITED REFERENCES AVAILABLE FOR THIS
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L3   ANSWER 11 OF 162  CAPLUS  COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER:        2007:146832  CAPLUS
DOCUMENT NUMBER:         146:229329
TITLE:                   Thiazole derivatives as sphingosine kinase inhibitors
                         and their preparation, pharmaceutical compositions
and
                         use in the treatment of diseases
INVENTOR(S):             Smith, Charles D.; French, Kevin J.; Xia, Zuping
PATENT ASSIGNEE(S):      Apogee Biotechnology Corporation, USA
SOURCE:                  U.S. Pat. Appl. Publ., 69pp.
                         CODEN: USXXCO
DOCUMENT TYPE:           Patent
LANGUAGE:                English
FAMILY ACC. NUM. COUNT:  1
PATENT INFORMATION:

     PATENT NO.          KIND    DATE         APPLICATION NO.          DATE
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     US 2007032531        A1     20070208     US 2006-462153           20060803
     WO 2007019251        A2     20070215     WO 2006-US30327          20060803
     WO 2007019251        A9     20070419
     WO 2007019251        A3     20070531
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             MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU,
             SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG,
             US, UZ, VC, VN, ZA, ZM, ZW
         RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE,
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             CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH,
             GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY,
             KG, KZ, MD, RU, TJ, TM, AP, EA, EP, OA
PRIORITY APPLN. INFO.:                        US 2005-705608P      P  20050804

OTHER SOURCE(S):         MARPAT 146:229329
GI
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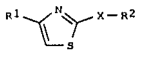

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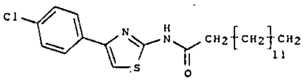

II

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AB   The invention relates to compds. of formula I, pharmaceutical compns.
     thereof, and methods for inhibiting sphingosine kinase and for treating
or
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L3   ANSWER 11 OF 162  CAPLUS  COPYRIGHT 2007 ACS on STN      (Continued)
     preventing hyperproliferative disease, inflammatory disease, or
angiogenic
     disease.  Compds. of formula I wherein X is (un)substituted CH2NH and
     derivs., CONH and derivs., NHCO and derivs., (un)substituted methylene,
NH
     and derivs., etc.;, R1 and R2 are indepepndently H, alkyl,
     cycloalkyl(alkyl), alkenyl, heteroalkyl, (hetero)aryl, etc; and their
     pharmaceutically acceptable salts, hydrates and solvates thereof, are
     claimed.  Example compd. II was prepd. by amidation of
     2-amino-4-(4-chlorophenyl)thiazole with myristoyl chloride.  All the
     invention compds. were evaluated for their sphingosine kinase inhibitory
     activity.  From the assay, it was detd. that compd. II exhibited IC50
     value of 1.9 μM against MCF-7.
IT   924623-82-5P 924623-93-8P
     RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU
     (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES
     (Uses)
        (drug candidate; preparation of thiazole derivs. as sphingosine kinase
        inhibitors useful in treatment and prevention of hyperproliferative,
        inflammatory or angiogenio diseases)
RN   924623-82-5  CAPLUS
CN   2-Thiazolecarboxamide, N-[(2-chloro-4-fluorophenyl)methyl]-4-(4-
     chlorophenyl)-  (CA INDEX NAME)
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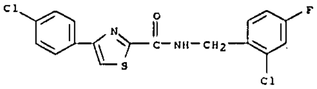

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RN   924623-93-8  CAPLUS
CN   2-Thiazolecarboxamide, 4-(4-chlorophenyl)-N-[[2-fluoro-4-
     (trifluoromethyl)phenyl]methyl]-  (CA INDEX NAME)
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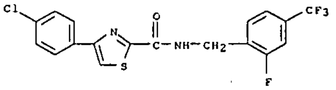

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L3   ANSWER 12 OF 162  CAPLUS  COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER:        2007:146749  CAPLUS
DOCUMENT NUMBER:         146:206643
TITLE:                   Preparation of macrocyclic inhibitors of hepatitis C
                         virus
INVENTOR(S):             Raboisson, Pierre Jean-Marie Bernard; De Kock, Herman
                         Augustinus; Dorange, Ismet; Vendeville, Sandrine
Marie
                         Helene; Surleraux, Dominique Louis Nestor Ghislain;
                         Tahri, Abdellah; Simonnet, Yvan; Van De Vreken, Wim;
                         Hu, Lili; Simmen, Kenneth Alan; Nilsson, Karl Magnus;
                         Samuelsson, Bengt Bertil; Rosenquist, Aasa Annica
                         Kristina; Wallberg, Hans Kristian
PATENT ASSIGNEE(S):      Tibotec Pharmaceuticals Ltd., Ire.; Medivir AB
SOURCE:                  PCT Int. Appl., 126pp.
                         CODEN: PIXXD2
DOCUMENT TYPE:           Patent
LANGUAGE:                English
FAMILY ACC. NUM. COUNT:  1
PATENT INFORMATION:

     PATENT NO.          KIND    DATE         APPLICATION NO.          DATE
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     WO 2007014921        A1     20070208     WO 2006-EP64815          20060728
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             GE, GH, GM, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP,
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             SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG,
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             IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ,
             CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH,
             GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY,
             KG, KZ, MD, RU, TJ, TM
PRIORITY APPLN. INFO.:                        EP 2005-107069       A  20050729

OTHER SOURCE(S):         MARPAT 146:206643
GI


 * STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY -  AVAILABLE VIA OFFLINE PRINT *

AB   The invention relates to macrocyclic peptides I [the dashed line
     represents an optional double bond; X is N, CH, or C; X1 is (CH2)3-6; R1
     is OH, OR5, or NHSO2R6, where R5 and R6 are (un)substituted alkyl,
     cycloalkyl, Ph, or heterocyclyl; R2 is H, alkyl; R3 is H, alkyl,
     alkoxyalkyl, or cycloalkyl; R4 is (un)substituted isoquinolinyl],
     including N-oxides, salts, and stereoisomers, which are inhibitors of HCV
     replication.  Bioavailable combinations of the inhibitors I with
ritonavir
     are also provided.  Thus, macrocyclic compound II was prepared by a
multistep
     procedure which includes ring-forming metathesis reaction and assayed for
     inhibition of HCV NS3/4A protease (EC50 = 0.072 μM, Ki = 0.7 nM).
IT   923586-06-5P
     RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT
```

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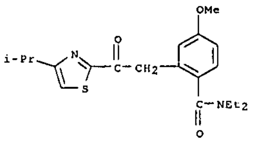
L3   ANSWER 12 OF 162  CAPLUS  COPYRIGHT 2007 ACS on STN      (Continued)
     (Reactant or reagent)
        (prepn. of macrocyclic peptide inhibitors of hepatitis C virus)
RN   923586-06-5  CAPLUS
CN   Benzamide, N,N-diethyl-4-methoxy-2-[2-[4-(1-methylethyl)-2-thiazolyl]-2-
     oxoethyl]-  (CA INDEX NAME)
```



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REFERENCE COUNT:          4      THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS
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L3   ANSWER 13 OF 162  CAPLUS  COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER:         2006:1252615  CAPLUS
DOCUMENT NUMBER:          146:7952
TITLE:                    Preparation of 4,5'-bithiazole and
                          4-(oxazol-5-yl)thiazole derivatives as
                          phosphoinositide-3 kinase inhibitors with therapeutic
                          uses
INVENTOR(S):              Quattropani, Anna; Dorbais, Jerome; Covini, David;
                          Desforges, Gwenaelle; Rueckle, Thomas
PATENT ASSIGNEE(S):       Applied Research Systems Ars Holding N. V., Neth.
                          Antilles
SOURCE:                   PCT Int. Appl., 149pp.
                          CODEN: PIXXD2
DOCUMENT TYPE:            Patent
LANGUAGE:                 English
FAMILY ACC. NUM. COUNT:   1
PATENT INFORMATION:

     PATENT NO.          KIND    DATE        APPLICATION NO.        DATE
     ---------------     ----    --------    --------------------   --------
     WO 2006125805        A1     20061130    WO 2006-EP62595        20060524
         W:  AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH,
             CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD,
             GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR,
             KZ, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX,
             MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE,
             SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC,
             VN, YU, ZA, ZM, ZW
         RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE,
             IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ,
             CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH,
             GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY,
             KG, KZ, MD, RU, TJ, TM
PRIORITY APPLN. INFO.:                       EP 2005-104394      A  20050524

                                             US 2005-686270P     P  20050601

OTHER SOURCE(S):          MARPAT 146:7952
GI
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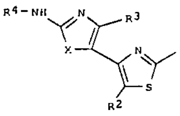

I

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AB   The present invention is related to thiazole derivs. (shown as I;
     variables defined below; e.g. Et 2'-(acetylamino)-4'-methyl-4,5'-bi-1,3-
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L3   ANSWER 13 OF 162  CAPLUS  COPYRIGHT 2007 ACS on STN      (Continued)
     thiazole-2-carboxylate) as well as geometrical isomers, optically active
     forms as enantiomers, diastereomers and its racemate forms, as well as
     pharmaceutically acceptable salts thereof, in particular for the
treatment
     and/or prophylaxis of autoimmune disorders and/or inflammatory diseases,
     cardiovascular diseases, neurodegenerative diseases, bacterial or viral
     infections, kidney diseases, platelet aggregation, cancer,
     transplantation, graft rejection or lung injuries (no data).  Although
the
     methods of prepn. are not claimed, prepns. and/or characterization data
     for .apprx.80 examples of I are included.  For example, Et
     2'-(acetylamino)-4'-methyl-4,5'-bi-1,3-thiazole-2-carboxylate was prepd.
     in 46 % yield by cyclizing N-[5-(bromoacetyl)-4-methyl-1,3-thiazol-2-
     yl]acetamide (prepn. given) with Et thiooxamate in dioxane.  For I: R1 =
     -C(O)R5, C1-C6-alkyl, C2-C6-alkenyl, C2-C6-alkynyl, aryl C1-C6-alkyl,
     heteroaryl C1-C6-alkyl, C3-C8 cycloalkyl C1-C6-alkyl and heterocycloalkyl
     C1-C6-alkyl; R2 = H, halogen, C1-C6-alkyl, C2-C6-alkenyl and
     C2-C6-alkynyl; R3 = H, halogen, C1-C6-alkyl, C2-C6-alkenyl and
     C2-C6-alkynyl; R4 = -C(O)R6, aryl, heteroaryl, heterocycloalkyl and C3-C8
     cycloalkyl; R5 = H, hydroxy, alkoxy, amino, aryl, heteroaryl, C3-C8
     cycloalkyl and heterocycloalkyl; R6 = H, C1-C6-alkyl, C2-C6-alkenyl,
     C2-C6-alkynyl, aryl C1-C6-alkyl, heteroaryl C1-C6-alkyl and amino; X = S
     and O.  IC50 values for inhibition of PI3Kγ-induced lipid and/or
     PI3K-induced Akt/PKB phosphorylation are tabulated for 12 examples of I.
IT   915702-56-6P, 3-[[[2'-(Acetylamino)-4'-methyl-4,5'-bi-1,3-thiazol-
     2-yl]carbonyl]amino]-2-hydroxybenzoic acid potassium salt
     915703-62-7P, 3-[[[2'-(Acetylamino)-4'-methyl-4,5'-bi-1,3-thiazol-
     2-yl]carbonyl]amino]-2-hydroxybenzoic acid
     RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU
     (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES
     (Uses)
        (drug candidate; preparation of 4,5'-bithiazole and
4-(oxazol-5-yl)thiazole
        derivs. as PI3 kinase inhibitors with therapeutic uses)
RN   915702-56-6  CAPLUS
CN   Benzoic acid, 3-[[[2'-(acetylamino)-4'-methyl[4,5'-bithiazol]-2-
     yl]carbonyl]amino]-2-hydroxy-, potassium salt (1:1)  (CA INDEX NAME)
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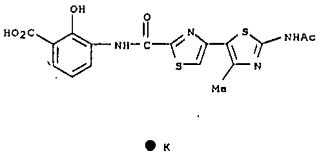

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RN   915703-62-7  CAPLUS
CN   Benzoic acid, 3-[[[2'-(acetylamino)-4'-methyl[4,5'-bithiazol]-2-
     yl]carbonyl]amino]-2-hydroxy-  (CA INDEX NAME)
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L3   ANSWER 13 OF 162  CAPLUS  COPYRIGHT 2007 ACS on STN      (Continued)
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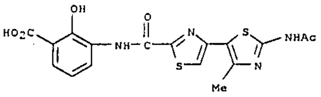

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REFERENCE COUNT:          6     THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS
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L3   ANSWER 14 OF 162  CAPLUS  COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER:         2006:1191720  CAPLUS
DOCUMENT NUMBER:          147:322679
TITLE:                    Oximino salicylanilide like analogues as
molluscicidal
                          agents
AUTHOR(S):                Nawwar, Galal A. M.; Chabaka, Laila M.; Shafik, Nancy
                          A.; Safwat, Hany M.
CORPORATE SOURCE:         Natl. Res. Cent., Dokki, Cairo, Egypt
SOURCE:                   Afinidad (2006), 63(522), 153-158
                          CODEN: AFINAE; ISSN: 0001-9704
PUBLISHER:                Asociacion de Quimicos e Ingenieros del Instituto
                          Quimico de Sarria
DOCUMENT TYPE:            Journal
LANGUAGE:                 English
AB   Synthesis of the title compds. is described using N-cyanoacetyl- or
     N-malonyl-2-chloro-4-nitroaniline as starting materials.  The
     molluscicidal testing of the prepared compds. showed that
     [2,4-Cl(O2N)C6H3NHCO]2C:NOH is the most promising.
IT   948035-90-3P 948035-91-4P
     RL: BSU (Biological study, unclassified); RCT (Reactant); SPN (Synthetic
     preparation); BIOL (Biological study); PREP (Preparation); RACT (Reactant
     or reagent)
        (preparation of oximinosalicylanilide analogs as molluscicidal agents)
RN   948035-90-3  CAPLUS
CN   2-Thiazoleacetamide, N-(2-chloro-4-nitrophenyl)-4-hydroxy-  (CA INDEX
     NAME)
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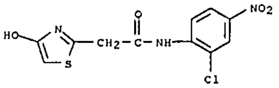

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RN   948035-91-4  CAPLUS
CN   2-Benzothiazoleacetamide, N-(2-chloro-4-nitrophenyl)-  (CA INDEX NAME)
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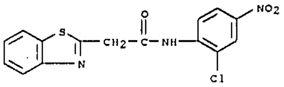

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IT   948035-92-5P 948035-93-6P
     RL: BSU (Biological study, unclassified); SPN (Synthetic preparation);
     BIOL (Biological study); PREP (Preparation)
        (preparation of oximinosalicylanilide analogs as molluscicidal agents)
RN   948035-92-5  CAPLUS
CN   INDEX NAME NOT YET ASSIGNED
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L3   ANSWER 14 OF 162  CAPLUS  COPYRIGHT 2007 ACS on STN      (Continued)
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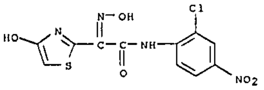

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RN   948035-93-6  CAPLUS
CN   INDEX NAME NOT YET ASSIGNED
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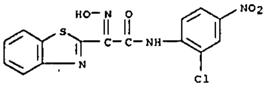

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REFERENCE COUNT:          13      THERE ARE 13 CITED REFERENCES AVAILABLE FOR
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                                  RECORD. ALL CITATIONS AVAILABLE IN THE RE
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L3   ANSWER 15 OF 162  CAPLUS  COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER:         2006:1189873  CAPLUS
DOCUMENT NUMBER:          146:142547
TITLE:                    On the reactivity of 2-alkyl-1,3-thiazolium-4-olates
                          toward electrophiles
AUTHOR(S):                Avalos, Martin; Babiano, Reyes; Cintas, Pedro; Diaz,
                          Jesus; Jimenez, Jose L.; Lopez, I.; Palacios, Juan C.
CORPORATE SOURCE:         QUOREX Research Group,Departamento de Quimica
                          Organica, Facultad de Ciencias-UEX, Badajoz, E-06071,
                          Spain
SOURCE:                   Tetrahedron (2006), 62(51), 11979-11986
                          CODEN: TETRAB; ISSN: 0040-4020
PUBLISHER:                Elsevier Ltd.
DOCUMENT TYPE:            Journal
LANGUAGE:                 English
OTHER SOURCE(S):          CASREACT 146:142547
AB   Reactions of 2-alkykthioisomunchnones (2-alkyl-1,3-thiazolium-4-olates)
     toward a series of common and reactive electrophiles to produce
     functionalization of the parent heterocycle with extended conjugation are
     reported.  This shows the nucleophilic character of these mesoionics
     rather than their usual 1,3-dipolar behavior.  When
2-alkyl-1,3-thiazolium-
     4-olates are reacted with with aliphatic acid chlorides, (Z)-
     methylenethiazolidin-4-one monoketones are formed, whose structure can be
     rationalized in terms of orbital interactions by computational studies.
     Heterocumulenes (isocyanates and isothiocyanates) react with
     2-alkylthioisomunchnones to afford conjugated amides or thioamides.
IT   595570-22-2P
     RL: SPN (Synthetic preparation); PREP (Preparation)
        (preparation of monoketone derivs. by reaction of
2-alkyl-1,3-thiazolium-4-
        olates with aliphatic acid chlorides)
RN   595570-22-2  CAPLUS
CN   Thiazolium, 2-[1-(2-fluorobenzoyl)-2-(2-fluorophenyl)-2-oxoethyl]-4-
     hydroxy-3,5-diphenyl-, inner salt  (CA INDEX NAME)
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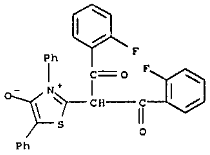

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REFERENCE COUNT:          30      THERE ARE 30 CITED REFERENCES AVAILABLE FOR
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                                  RECORD. ALL CITATIONS AVAILABLE IN THE RE
FORMAT
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L3   ANSWER 16 OF 162  CAPLUS  COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER:         2006:1035133  CAPLUS
DOCUMENT NUMBER:          145:407457
TITLE:                    Black-and-white heat-developable photographic films
INVENTOR(S):              Yoshioka, Yasuhiro
PATENT ASSIGNEE(S):       Fuji Photo Film Co., Ltd., Japan
SOURCE:                   Jpn. Kokai Tokkyo Koho, 130pp.
                          CODEN: JKXXAF
DOCUMENT TYPE:            Patent
LANGUAGE:                 Japanese
FAMILY ACC. NUM. COUNT:   1
PATENT INFORMATION:

     PATENT NO.          KIND    DATE          APPLICATION NO.         DATE
     ---------------     ----    --------      --------------------    --------
     JP 2006267450        A      20061005      JP 2005-84537           20050323
PRIORITY APPLN. INFO.:                         JP 2005-84537           20050323

OTHER SOURCE(S):          MARPAT 145:407457
GI
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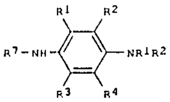

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AB   The title film has an image-forming layer containing photosensitive
silver
     halides, silver salts of aliphatic acids, a reducing agent for silver
ions,
     and a binder on a support, wherein the reducing agent has general
     structure I(R1-4 = H, substituent; R5-6 = alkyl, aryl, acryl, etc.; R7 =
     R11-O-CO-, R12-CO-CO-, R13-NH-Co-, etc.; R12-13 = alkyl, aryl,
     heterocyclic ring), and wherein a coupler to form a dye with the oxidized
     compound I and a compound to form a product having no absorption in
visible
     light region are disposed in the film.  The film shows good
storageability
     and provides images of high d. and good tone.
IT   911202-89-6
     RL: TEM (Technical or engineered material use); USES (Uses)
        (compound forming no absorption in visible region; black-and-white
        heat-developable photog. films)
RN   911202-89-6  CAPLUS
CN   2-Benzothiazoleacetamide, N-[2-chloro-5-[(octylamino)sulfonyl]phenyl]-
     α-methyl-  (CA INDEX NAME)
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L3   ANSWER 16 OF 162  CAPLUS  COPYRIGHT 2007 ACS on STN      (Continued)
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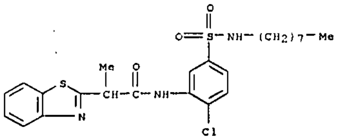

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L3   ANSWER 17 OF 162  CAPLUS  COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER:         2006:710810  CAPLUS
DOCUMENT NUMBER:          145:159773
TITLE:                    Benzimidazole derivative transcription
                          factor-modulating compounds for use as antiinfective
                          agents
INVENTOR(S):              Alekshun, Michael N.; Amoo, Victor; Kim, Oak K.;
                          Verma, Atul K.
PATENT ASSIGNEE(S):       Paratek Pharmaceuticals, Inc., USA
SOURCE:                   PCT Int. Appl., 405 pp.
                          CODEN: PIXXD2
DOCUMENT TYPE:            Patent
LANGUAGE:                 English
FAMILY ACC. NUM. COUNT:   1
PATENT INFORMATION:

     PATENT NO.          KIND    DATE        APPLICATION NO.         DATE
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     WO 2006076009        A2   20060720    WO 2005-US14345          20050425
         W:  AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH,
             CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD,
             GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KP, KR, KZ,
             LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA,
             NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL,
             SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA,
             ZM, ZW
         RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE,
             IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF,
             CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM,
             KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG,
             KZ, MD, RU, TJ, TM
     AU 2005324492        A1   20060720    AU 2005-324492           20050425
     CA 2562763           A1   20060720    CA 2005-2562763          20050425
     US 2006160799        A1   20060720    US 2005-115024           20050425
     EP 1742637           A2   20070117    EP 2005-856651           20050425
         R:  AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE,
             IS, IT, LI, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, AL, BA,
             HR, LV, MK, YU
PRIORITY APPLN. INFO.:                     US 2004-565047P      P  20040423

                                           US 2004-569032P      P  20040507

                                           US 2004-623251P      P  20041028

                                           WO 2005-US14345      W  20050425

OTHER SOURCE(S):          MARPAT 145:159773
AB   The invention provides substituted benzimidazole compds. useful as
     antiinfectives that decrease resistance, virulence, or growth of
microbes.
     Also provided are methods for making and using the substituted
     benzimidazole compds., as well as pharmaceutical prepns. for e.g.
reducing
     antibiotic resistance and inhibiting biofilms.
IT   222715-96-0
     RL: PAC (Pharmacological activity); THU (Therapeutic use); BIOL
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L3   ANSWER 17 OF 162  CAPLUS  COPYRIGHT 2007 ACS on STN     (Continued)
     (Biological study); USES (Uses)
        (benzimidazole deriv. transcription factor-modulating compds. for use
        as antiinfective agents)
RN   222715-96-0  CAPLUS
CN   Ethanone, 2-(2-benzothiazolyl)-1-(5-ethyl-2,4-dihydroxyphenyl)- (9CI)
(CA
     INDEX NAME)
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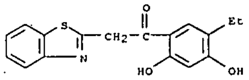

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L3   ANSWER 18 OF 162  CAPLUS  COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER:         2006:577803  CAPLUS
DOCUMENT NUMBER:          145:62687
TITLE:                    Preparation of N-acylanthranilic acid derivatives or
                          salts thereof as inhibitor for production of matrix
                          metalloproteinase (MMP-13)
INVENTOR(S):              Yokotani, Junichi; Taniguchi, Yoichi; Hara, Eiji;
                          Akitsu, Hitoshi; Tada, Yukie
PATENT ASSIGNEE(S):       Toyama Chemical Co., Ltd., Japan
SOURCE:                   PCT Int. Appl., 278 pp.
                          CODEN: PIXXD2
DOCUMENT TYPE:            Patent
LANGUAGE:                 Japanese
FAMILY ACC. NUM. COUNT:   1
PATENT INFORMATION:

     PATENT NO.          KIND    DATE        APPLICATION NO.         DATE
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     WO 2006062093        A1   20060615    WO 2005-JP22367          20051206
         W:  AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH,
             CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD,
             GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR,
             KZ, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX,
             MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE,
             SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC,
             VN, YU, ZA, ZM, ZW
         RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE,
             IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ,
             CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH,
             GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY,
             KG, KZ, MD, RU, TJ, TM
     AU 2005312721        A1   20060615    AU 2005-312721           20051206
     CA 2588633           A1   20060615    CA 2005-2588633          20051206
     EP 1820795           A1   20070822    EP 2005-814561           20051206
         R:  AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE,
             IS, IT, LI, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, AL,
             BA, HR, MK, YU
     IN 2007KN01796       A    20070810    IN 2007-KN1796           20070521
PRIORITY APPLN. INFO.:                     JP 2004-353725       A  20041207

                                           WO 2005-JP22367      W  20051206

OTHER SOURCE(S):          MARPAT 145:62687
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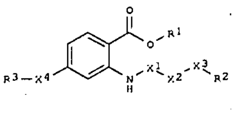

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AB   The title compds. [I; wherein R1 = H, a carboxy-protecting group; R2 =
     each (un)substituted Ph, cycloalkyl, or heterocyclic group; R3 = each
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L3   ANSWER 18 OF 162  CAPLUS  COPYRIGHT 2007 ACS on STN     (Continued)
     (un)substituted Ph, cycloalkyl, cycloalkenyl, or monocyclic or bicyclic
     heterocyclic group; X1 = CO or SO2; X2 = a bond, each (un)substituted
     alkylene, alkenylene, or alkynylene; X3 = O, S, a bond; X4 = -X5-X6- or
     -X6-X5- (the left side bond is linked to R3) (wherein X5 = O, S,
     (un)protected NH, SO, SO2, a bond; X6 = each (un)substituted alkylene,
     alkenylene, or alkynylene)] or salts thereof are prepd.  These compds.
     have an MMP-13 prodn. inhibitory activity and are hence useful as
     therapeutic agents for articular rheumatism, osteoarthritis, cancer, etc.
     Thus, Me 2-(benzoylamino)-4-bromobenzoate was coupled with
     benzofuran-2-boronic acid in the presence of polymer-supported
     Bis(acetato)bis(triphenylphosphine)palladium and Na2CO3 in
     N,N-dimethylacetamide at 90° for 11 h followed by sapon. and
     acidification with 1.0 M aq. HCl soln. to give 2-(benzoylamino)-4-(3-
     methoxyphenyl)benzoic acid (II).  II and 2-(benzoylamino)-4-((E)-2-(3-
     chlorophenyl)vinyl)benzoic acid inhibited the IL-1β-stimulated prodn.
     of MMP-13 in human cartilage-derived SW1353 cells by 95 and 99%, resp.,
at
     30 μM.
IT   890310-22-2P, 2-[[(Benzothiazol-2-yl)carbonyl]amino]-4-
     phenethylbenzoic acid 890310-66-4P, 2-[[(Benzothiazol-2-
     yl)carbonyl]amino]-4-phenoxybenzoic acid 890311-21-4P,
     2-[[(Benzothiazol-2-yl)carbonyl]amino]-4-(2,4-difluorophenyl)benzoic acid
     890311-27-0P, 2-[[(Benzothiazol-2-yl)carbonyl]amino]-4-[(E)-2-(3-
     methoxyphenyl)ethenyl]benzoic acid 890311-33-8P,
     2-[[(Benzothiazol-2-yl)carbonyl]amino]-4-(3-chlorophenyl)benzoic.acid
     890311-44-1P, 2-[[(Benzothiazol-2-yl)carbonyl]amino]-4-(4-
     hydroxyphenyl)benzoic acid 890311-50-9P, 4-(Benzodioxol-5-yl)-2-
     [[(benzothiazol-2-yl)carbonyl]amino]benzoic acid 890312-79-5P,
     2-[[(Benzothiazol-2-yl)carbonyl]amino]-4-phenylbenzoic acid
     RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU
     (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES
     (Uses)
        (preparation of N-acylanthranilic acid derivs. as inhibitors for
production of
        matrix metalloproteinase (MMP-13))
RN   890310-22-2  CAPLUS
CN   Benzoic acid, 2-[(2-benzothiazolylcarbonyl)amino]-4-(2-phenylethyl)-   (CA
     INDEX NAME)
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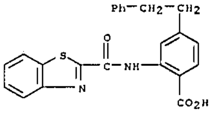

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RN   890310-66-4  CAPLUS
CN   Benzoic acid, 2-[(2-benzothiazolylcarbonyl)amino]-4-phenoxy-   (CA INDEX
     NAME)
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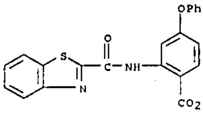
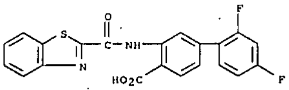
L3 ANSWER 18 OF 162 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

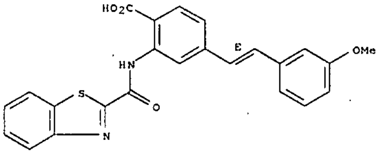


RN 890311-21-4 CAPLUS
CN [1,1'-Biphenyl]-4-carboxylic acid, 3-[(2-benzothiazolylcarbonyl)amino]-2',4'-difluoro- (CA INDEX NAME)



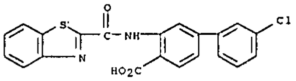
RN 890311-27-0 CAPLUS
CN Benzoic acid, 2-[(2-benzothiazolylcarbonyl)amino]-4-[(1E)-2-(3-methoxyphenyl)ethenyl]- (CA INDEX NAME)

Double bond geometry as shown.

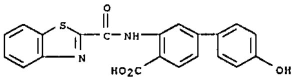


RN 890311-33-8 CAPLUS
CN [1,1'-Biphenyl]-4-carboxylic acid,
3-[(2-benzothiazolylcarbonyl)amino]-3'-chloro- (CA INDEX NAME)

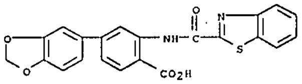
L3 ANSWER 18 OF 162 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



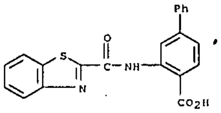
RN 890311-44-1 CAPLUS
CN [1,1'-Biphenyl]-4-carboxylic acid,
3-[(2-benzothiazolylcarbonyl)amino]-4'-hydroxy- (CA INDEX NAME)



RN 890311-50-9 CAPLUS
CN Benzoic acid,
4-(1,3-benzodioxol-5-yl)-2-[(2-benzothiazolylcarbonyl)amino]-
(CA INDEX NAME)



RN 890312-79-5 CAPLUS
CN [1,1'-Biphenyl]-4-carboxylic acid, 3-[(2-benzothiazolylcarbonyl)amino]-
(CA INDEX NAME)



REFERENCE COUNT: 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 18 OF 162 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

L3 ANSWER 19 OF 162 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 2006:513667 CAPLUS
DOCUMENT NUMBER: 145:27731
TITLE: Preparation of biaryl compounds, particularly N-(biarylpropionyl)anthranilides, as niacin receptor agonists and pyridoindolizine derivatives as DP receptor antagonists, their pharmaceutical compositions and their combination useful for treating atherosclerosis and dyslipidemias
INVENTOR(S): Colletti, Steven L.; Tata, James R.; Shen, Hong C.; Ding, Fa-Xiang; Frie, Jessica L.; Imbriglio, Jason E.; Chen, Weichun
PATENT ASSIGNEE(S): Merck & Co., Inc., USA
SOURCE: PCT Int. Appl., 100 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

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     PATENT NO.          KIND    DATE          APPLICATION NO.        DATE
     ---------------     ----    --------      --------------------   --------
     WO 2006057922        A2     20060601      WO 2005-US41962        20051118
     WO 2006057922        A3     20060831
         W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH,
             CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD,
             GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR,
             KZ, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX,
             MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE,
             SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC,
             VN, YU, ZA, ZM, ZW
         RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE,
             IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ,
             CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH,
             GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY,
             KG, KZ, MD, RU, TJ, TM
     AU 2005309737        A1     20060601      AU 2005-309737         20051118
     CA 2587207           A1     20060601      CA 2005-2587207        20051118
     EP 1824812           A2     20070829      EP 2005-824876         20051118
         R: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE,
             IS, IT, LI, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR
     IN 2007CN01774       A      20070831      IN 2007-CN1774         20070430
PRIORITY APPLN. INFO.:                         US 2004-630281P     P  20041123

                                               WO 2005-US41962     W  20051118
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OTHER SOURCE(S): MARPAT 145:27731
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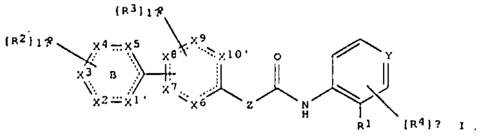
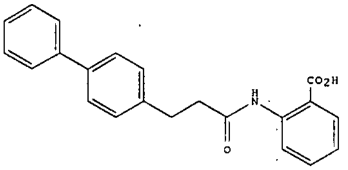
L3 ANSWER 19 OF 162 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)





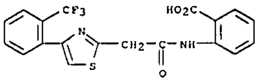
II

AB The invention is related to biaryls I [Y = C, N; Z = C(RaRb)n; Ra, Rb = independently H, alkyl, OH, F, etc.; n = 1-5; R1 = CO2H, 1H-tetrazol-5-yl, CONHSO2Rc; Rc = (un)substituted alkyl, Ph; X10' = (X10)0-1; X1' = (X1)0-1'
X1-X10 = C, or a heteroatom selected from O, S, and N, with provisos; each
R2 = H, F, Cl, Br, I, alkyl, heterocyclyl, etc.; or two R2 groups taken together can form a fused Ph or fused heterocycle with ring B; each R3 = H, halo, halo/alkyl, halo/alkoxy, etc.; each R4 = H, halo, Me, etc.], as well as pharmaceutically acceptable salts, solvates, as niacin receptor agonists useful for treating atherosclerosis and dyslipidemias in combination with DP antagonists. The invention is also related to the preparation of DP antagonists. Pharmaceutical compns. comprising I are also
included. Thus, anthranilide II was prepared by Pd-coupling of 3-(4-iodophenyl)propionic acid with phenylboronic acid, chlorination of biaryl propionic acid (no data) with SOCl2, and amidation of acyl chloride
(no data) with anthranilic acid. I have an EC50 in the functional assay in vitro GTPγS binding assay within the range of about less than 1 μM to as high as about 100 μM. Have an IC50 in the 3H-nicotinic acid competition binding assay within the range of 1 nM to about 25 μM. Selected I do not exhibit measurable in vivo vasodilation in the murine flushing model at doses up to 100 mg/kg or 300 mg/kg in the presence of DP
antagonists.

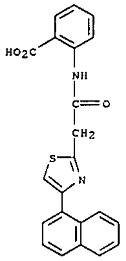
IT 889359-82-4P 889359-88-0P 889360-32-1P
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU

L3 ANSWER 19 OF 162 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)
(Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(niacin agonist; prepn. of biaryl compds. as niacin receptor agonists and pyridoindolizine derivs. as DP receptor antagonists and their combination useful for treating atherosclerosis and dyslipidemias)

RN 889359-82-4 CAPLUS
CN Benzoic acid,
2-[[[4-[2-(trifluoromethyl)phenyl]-2-thiazolyl]acetyl]amino]-
(9CI) (CA INDEX NAME)

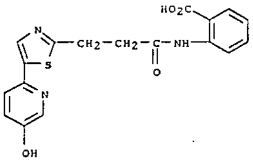


RN 889359-88-0 CAPLUS
CN Benzoic acid, 2-[[[4-(1-naphthalenyl)-2-thiazolyl]acetyl]amino]- (9CI)
(CA INDEX NAME)



RN 889360-32-1 CAPLUS
CN Benzoic acid, 2-[[3-[5-(5-hydroxy-2-pyridinyl)-2-thiazolyl]-1-oxopropyl]amino]- (CA INDEX NAME)

L3 ANSWER 19 OF 162 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



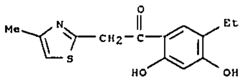
L3 ANSWER 20 OF 162 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER:	2006:509141 CAPLUS
DOCUMENT NUMBER:	146:229567
TITLE:	The synthesis of arginine derivatives of chromone and azauracil
AUTHOR(S):	Poyarkov, A. A.; Frasinyuk, M. S.; Kibirev, V. K.; Poyarkova, S. A.
CORPORATE SOURCE:	Institute of Bioorganic Chemistry and Oil Chemistry, National Academy of Sciences of Ukraine, Kiev, 02094, Ukraine
SOURCE:	Russian Journal of Bioorganic Chemistry (2006), 32(3), 277-279 CODEN: RJBCET; ISSN: 1068-1620
PUBLISHER:	Pleiades Publishing, Inc.
DOCUMENT TYPE:	Journal
LANGUAGE:	English
OTHER SOURCE(S):	CASREACT 146:229567

AB The coupling of N-succinimide esters of 3-[7-hydroxy-3-(4-methyl-1,3-thiazol-2-yl)-6-ethyl-4-oxo-4H-chromen-2-yl]propanoic acid and 5-carboxymethyl-6-azauracil with free arginine yielded the corresponding arginine derivs., which were purified by crystallization The structures of the
compds. were confirmed by 1H NMR.

IT 170466-78-1
RL: RCT (Reactant); RACT (Reactant or reagent)
(preparation of chromone- and azauracil-derived arginines)

RN 170466-78-1 CAPLUS
CN Ethanone, 1-(5-ethyl-2,4-dihydroxyphenyl)-2-(4-methyl-2-thiazolyl)- (CA INDEX NAME)



REFERENCE COUNT: 9 THERE ARE 9 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

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L3   ANSWER 21 OF 162  CAPLUS  COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER:         2006:493928  CAPLUS
DOCUMENT NUMBER:          144:467901
TITLE:                    Preparation of aryl sulfonamides as antagonists of
                          CCR9 receptor
INVENTOR(S):              Ungashe, Solomon; Wright, John J.; Pennell, Andrew;
                          Wei, Zheng; Melikian, Anita
PATENT ASSIGNEE(S):       USA
SOURCE:                   U.S. Pat. Appl. Publ., 163 pp., Cont.-in-part of U.S.
                          Ser. No. 846,241.
                          CODEN: USXXCO
DOCUMENT TYPE:            Patent
LANGUAGE:                 English
FAMILY ACC. NUM. COUNT:   5
PATENT INFORMATION:

     PATENT NO.          KIND    DATE          APPLICATION NO.          DATE
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     US 2006111351        A1     20060525      US 2005-255163           20051020
     US 2004171654        A1     20040902      US 2003-716170           20031117
     US 6939885           B2     20050906
     EP 1798223           A2     20070620      EP 2007-4318             20031117
         R:  AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE,
             IT, LI, LU, MC, NL, PT, RO, SE, SI, SK, TR
     CA 2505590           A1     20041007      CA 2003-2505590          20031118
     AU 2003303942        A1     20041018      AU 2003-303942           20031118
     EP 1567486           A2     20050831      EP 2003-816012           20031118
         R:  AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
             IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK
     JP 2006510724        T      20060330      JP 2004-569975           20031118
     US 2005137193        A1     20050623      US 2004-846241           20040513
     US 2005165067        A1     20050728      US 2005-46565            20050127
     MX 2005PA05296       A      20051214      MX 2005-PA5296           20050518
     IN 2005CN00962       A      20070810      IN 2005-CN962            20050518
     JP 2007077166        A      20070329      JP 2006-311085           20061117
     AU 2007205711        A1     20070830      AU 2007-205711           20070809
PRIORITY APPLN. INFO.:                         US 2002-427670P       P  20021118

                                               US 2003-716170        A2 20031117

                                               US 2004-846241        A2 20040513

                                               AU 2003-298661        A3 20031117

                                               EP 2003-796416        A3 20031117

                                               JP 2004-553842        A3 20031117

                                               WO 2003-US37035       W  20031118

OTHER SOURCE(S):          MARPAT 144:467901
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L3   ANSWER 21 OF 162  CAPLUS  COPYRIGHT 2007 ACS on STN      (Continued)
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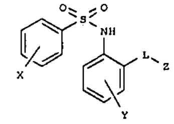

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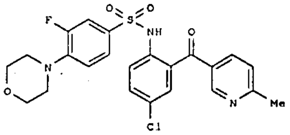

II

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AB   Title compds. I [X = 1-5 substituents independently selected from CN,
NO2,
     (un)substituted alkyl, alkenyl, alkynyl, etc.; Y = 1-4 substituents
     independently selected from halo, CN, NO2, etc.; L = linker selected from
     CO, S, SO, or SO2; Z = (un)substituted monocyclic or bicyclic 5-10
     membered heteroaryl, or bicyclic 3-10 membered heterocyclyl,
     (un)substituted amine or N-heterocycle ] are prepared and disclosed as
     potent antagonists of the CCR9 receptor, and which have been further
     confirmed in animal testing for inflammation, one of the hallmark disease
     states for CCR9.  Numerous compds. of the invention were determined to
possess
     IC50 values of less than 1000 nM in either chemotaxis assays and/or
     calcium mobilization assays.  Compound II is claimed.
IT   870532-08-4P
     RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU
     (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES
     (Uses)
        (preparation of aryl sulfonamides as antagonists of CCR9 receptor)
RN   870532-08-4  CAPLUS
CN   Benzenesulfonamide, N-[4-chloro-2-(2-thiazolylcarbonyl)phenyl]-4-(1,1-
     dimethylethyl)-  (CA INDEX NAME)
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L3   ANSWER 21 OF 162  CAPLUS  COPYRIGHT 2007 ACS on STN      (Continued)
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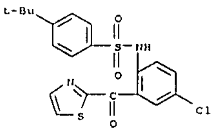

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IT   39254-68-7, (2-Amino-5-chlorophenyl)thiazol-2-ylmethanone
     RL: RCT (Reactant); RACT (Reactant or reagent)
        (preparation of aryl sulfonamides as antagonists of CCR9 receptor)
RN   39254-68-7  CAPLUS
CN   Methanone, (2-amino-5-chlorophenyl)-2-thiazolyl- (9CI)  (CA INDEX NAME)
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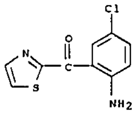

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L3   ANSWER 22 OF 162  CAPLUS  COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER:         2006:196096  CAPLUS
DOCUMENT NUMBER:          144:274007
TITLE:                    Preparation of trihydroxybenzene derivatives as
                          inhibitors of anti-apoptotic Bcl-2
INVENTOR(S):              Wang, Shaomeng; Wang, Guoping; Tang, Guozhi; Wang,
                          Renxiao; Nikolovska-Coleska, Zaneta; Wang, Dajon; Xu,
                          Liang
PATENT ASSIGNEE(S):       The Regents of the University of Michigan, USA
SOURCE:                   PCT Int. Appl., 159 pp.
                          CODEN: PIXXD2
DOCUMENT TYPE:            Patent
LANGUAGE:                 English
FAMILY ACC. NUM. COUNT:   1
PATENT INFORMATION:

     PATENT NO.          KIND    DATE          APPLICATION NO.          DATE
     ---------------     ----    --------      --------------------     --------
     WO 2006023778        A2     20060302      WO 2005-US29634          20050822
     WO 2006023778        A3     20060615
         W:  AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH,
             CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD,
             GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KP, KR, KZ,
             LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA,
             NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK,
             SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU,
             ZA, ZM, ZW
         RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE,
             IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ,
             CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH,
             GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY,
             KG, KZ, MD, RU, TJ, TM
     AU 2005277223        A1     20060302      AU 2005-277223           20050822
     CA 2577752           A1     20060302      CA 2005-2577752          20050822
     US 2006084647        A1     20060420      US 2005-209998           20050822
     EP 1778206           A2     20070502      EP 2005-806407           20050822
         R:  AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE,
             IS, IT, LI, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, AL,
             BA, HR, MK, YU
     CN 101039662         A      20070919      CN 2005-80034757         20050822
     KR 2007046180        A      20070502      KR 2007-706335           20070320
     IN 2007KN00980       A      20070713      IN 2007-KN980            20070320
PRIORITY APPLN. INFO.:                         US 2004-603411P       P  20040820

                                               US 2005-209998        A  20050822

                                               WO 2005-US29634       W  20050822

OTHER SOURCE(S):          MARPAT 144:274007
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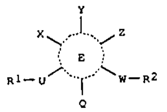

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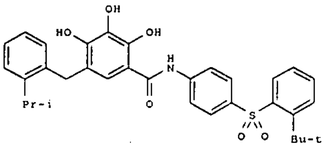


II

AB Title compds. represented by the formula I [wherein E = Ph or heteroarom. ring; X, Y and Z = independently H, OH, carboxylic acid, amide, etc.; U, W = independently CO, SO, SO2, NH, etc.; Q = H, alkyl, alkenyl, alkynyl, halo or Q forms a ring with U and/or W; R1, R2 = independently H, (cyclo)alkyl, (hetero)aryl, etc.; and pharmaceutically acceptable salts or prodrugs thereof] were prepared as inhibitors of anti-apoptotic Bcl-2. I were tested for Bcl-2 and Bcl-XL binding assay in vitro, inhibition of cell growth in human cancer cell, etc. For example, II showed capability of inducing apoptosis in prostate cancer PC-3 cell. Thus, I and their pharmaceutical compns. are useful as inhibitors of anti-apoptotic Bcl-2 family member proteins (e.g., Bcl-2 and Bcl-xL). The invention also relates to the use of these compds. for inducing apoptotic cell death and sensitizing cells to the induction of apoptotic cell death.

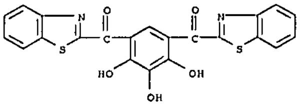
IT 877878-44-9P 877878-46-1P 877878-47-2P 877878-48-3P

RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of trihydroxybenzene derivs. as inhibitors of anti-apoptotic Bcl-2)

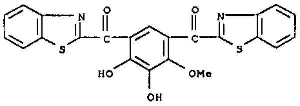
RN 877878-44-9 CAPLUS

CN Methanone, (4,5,6-trihydroxy-1,3-phenylene)bis[2-benzothiazolyl- (9CI) (CA INDEX NAME)



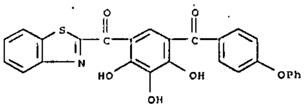
RN 877878-46-1 CAPLUS

CN Methanone, (4,5-dihydroxy-6-methoxy-1,3-phenylene)bis[2-benzothiazolyl- (9CI) (CA INDEX NAME)



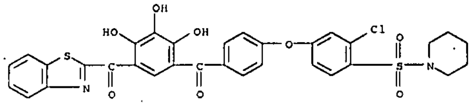
RN 877878-47-2 CAPLUS

CN Methanone, [5-(2-benzothiazolylcarbonyl)-2,3,4-trihydroxyphenyl](4-phenoxyphenyl)- (CA INDEX NAME)



RN 877878-48-3 CAPLUS

CN Piperidine, 1-[[4-[4-[5-(2-benzothiazolylcarbonyl)-2,3,4-trihydroxybenzoyl]phenoxy]-2-chlorophenyl]sulfonyl]- (9CI) (CA INDEX NAME)



ACCESSION NUMBER: 2005:1259748 CAPLUS
DOCUMENT NUMBER: 144:22718
TITLE: Preparation of aryl sulfonamides as antagonists of CCR9 receptor
INVENTOR(S): Ungashe, Solomon; Wright, John Jessen; Pennell, Andrew; Wei, Zheng; Melikian, Anita
PATENT ASSIGNEE(S): Chemocentryx, USA
SOURCE: PCT Int. Appl., 312 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 5
PATENT INFORMATION:

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     PATENT NO.          KIND    DATE          APPLICATION NO.         DATE
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     WO 2005112925        A1     20051201      WO 2005-US16815         20050513
         W:  AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH,
             CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD,
             GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KP, KR, KZ,
             LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA,
             NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK,
             SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU,
             ZA, ZM, ZW
         RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM,
             AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK,
             EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT,
             RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML,
             MR, NE, SN, TD, TG
     US 2005137193        A1     20050623      US 2004-846241          20040513
     AU 2007205711        A1     20070830      AU 2007-205711          20070809
PRIORITY APPLN. INFO.:                         US 2004-846241       A  20040513

                                               US 2002-427670P      P  20021118

                                               AU 2003-298661       A3 20031117

                                               US 2003-716170       A1 20031117
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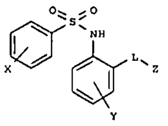
OTHER SOURCE(S): CASREACT 144:22718; MARPAT 144:22718
GI



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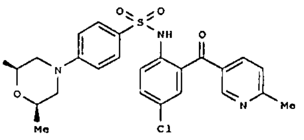

II

AB Title compds. I {X = 1-5 substituents independently selected from CN, NO2, (un)substituted alkyl, alkenyl, alkynyl, etc.; Y = 1-4 substituents independently selected from halo, CN, NO2, etc.; L = linker selected from CO, S, SO, or SO2; Z = (un)substituted monocyclic or bicyclic 5-10 membered heteroaryl, or bicyclic 3-10 membered heterocyclyl, (un)substituted amine or N-heterocycle } are prepared and disclosed as potent antagonists of the CCR9 receptor, and which have been further confirmed in animal testing for inflammation, one of the hallmark disease states for CCR9. Thus, e.g., II was prepared by substitution of 4-bromo-N-[4-chloro-2-(6-methylpyridine-3-carbonyl)phenyl]benzenesulfonamide (preparation given) with cis-2,6-dimethylmorpholine. Numerous compds. of the invention were determined to possess IC50 values of less than 1000 nM in either chemotaxis assays and/or calcium mobilization assays. The compds. are generally aryl sulfonamide derivs. and are useful in pharmaceutical compns., methods for the treatment of CCR9-mediated diseases, and as controls in assays for the identification of CCR9 antagonists.

IT 870532-08-4P

RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of aryl sulfonamides as antagonists of CCR9 receptor)

RN 870532-08-4 CAPLUS

CN Benzenesulfonamide, N-[4-chloro-2-(2-thiazolylcarbonyl)phenyl]-4-(1,1-dimethylethyl)- (CA INDEX NAME)

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L3   ANSWER 23 OF 162  CAPLUS  COPYRIGHT 2007 ACS on STN      (Continued)
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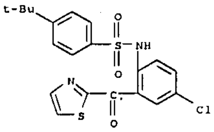

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IT    39254-68-7, (2-Amino-5-chlorophenyl)thiazol-2-ylmethanone
      RL: RCT (Reactant); RACT (Reactant or reagent)
         (preparation of aryl sulfonamides as antagonists of CCR9 receptor)
RN    39254-68-7  CAPLUS
CN    Methanone, (2-amino-5-chlorophenyl)-2-thiazolyl- (9CI)  (CA INDEX NAME)
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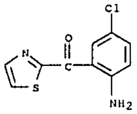

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REFERENCE COUNT:          1       THERE ARE 1 CITED REFERENCES AVAILABLE FOR THIS
                                  RECORD. ALL CITATIONS AVAILABLE IN THE RE
FORMAT
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L3   ANSWER 24 OF 162  CAPLUS  COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER:         2005:1196560  CAPLUS
DOCUMENT NUMBER:          143:434133
TITLE:                    (Haloalkyl)sulfonanilides, herbicides containing
them,
                          and their intermediate benzylamines
INVENTOR(S):              Hino, Tomokazu; Ihara, Tomomi; Shimaoka, Takashi;
                          Mamezuka, Hirotake; Kiyokawa, Takahiro; Murata,
Shinji
PATENT ASSIGNEE(S):       Nihon Nohyaku Co., Ltd., Japan
SOURCE:                   Jpn. Kokai Tokkyo Koho, 71 pp.
                          CODEN: JKXXAF
DOCUMENT TYPE:            Patent
LANGUAGE:                 Japanese
FAMILY ACC. NUM. COUNT:   1
PATENT INFORMATION:

     PATENT NO.          KIND    DATE       APPLICATION NO.         DATE
     ---------------     ----  --------    --------------------    --------
     JP 2005314407        A    20051110    JP 2005-102950          20050331
PRIORITY APPLN. INFO.:                     JP 2004-105532       A  20040331

OTHER SOURCE(S):          MARPAT 143:434133
AB   Herbicides, useful for paddy fields, contain
R1SO2NR2C6H3(X)CR3R4NR5C(:A)(
     CR6R7)a(G)bQ [I; R1 = C1-6 haloalkyl; R2, R5 = H, C1-6 alkyl,
     (un)substituted phenyl(C1-6 alkyl), etc.; R3, R4, R6, R7 = H, C1-6
     (cyclo)alkyl, halo, cyano, etc.; A = O, S; G = O, S, CR8R9; R8, R9 = H,
     C1-6 alkyl, etc.; Q = C1-6 alkyl, (un)substituted C3-6 cycloalkyl, etc.;
     a, b = 0, 1; X = H, halo, C1-6 alkyl, (un)substituted Ph, etc.] or their
     salts.  N-(2-aminobenzyl)-N-methyl-4-chlorobenzamide (preparation given)
was
     amidated by trifluoromethanesulfonic anhydride to give 60% o-I (X = R2-R4
     = H, R1 = CF3, R5 = Me, A = O, Q = C6H4Cl-4, a = b = 0), which showed
     90-100% control of paddy weeds with no damage on rice.
IT   868781-06-0P
     RL: AGR (Agricultural use); SPN (Synthetic preparation); BIOL (Biological
     study); PREP (Preparation); USES (Uses)
        (preparation of (haloalkyl)sulfonanilides as herbicides for paddy
fields)
RN   868781-06-0  CAPLUS
CN   2-Benzothiazolecarboxamide,
N-methyl-N-[[2-[[(trifluoromethyl)sulfonyl]ami
     no]phenyl]methyl]-  (CA INDEX NAME)
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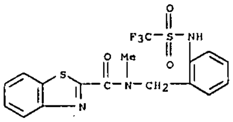

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L3   ANSWER 24 OF 162  CAPLUS  COPYRIGHT 2007 ACS on STN      (Continued)
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L3   ANSWER 25 OF 162  CAPLUS  COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER:         2005:1132895  CAPLUS
DOCUMENT NUMBER:          143:387313
TITLE:                    Preparation of glycosides as antidiabetic agents and
                          having inhibitory activity against sodium-dependent
                          transporter
INVENTOR(S):              Nomura, Sumihiro; Kawanishi, Eiji; Ueta, Kiichiro
PATENT ASSIGNEE(S):       Tanabe Seiyaku Co., Ltd., Japan
SOURCE:                   U.S. Pat. Appl. Publ., 123 pp., Cont.-in-part of
Appl.
                          No. PCT/JP04/011312.
                          CODEN: USXXCO
DOCUMENT TYPE:            Patent
LANGUAGE:                 English
FAMILY ACC. NUM. COUNT:   8
PATENT INFORMATION:

     PATENT NO.          KIND    DATE       APPLICATION NO.         DATE
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     US 2005233988        A1   20051020    US 2005-45446           20050131
     WO 2005012326        A1   20050210    WO 2004-JP11312         20040730
         W:  AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH,
             CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD,
             GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC,
             LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI,
             NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY,
             TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
         RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM,
             AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK,
             EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE,
             SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE,
             SN, TD, TG
     AU 2006209065        A1   20060803    AU 2006-209065          20060131
     CA 2595218           A1   20060803    CA 2006-2595218         20060131
     WO 2006080577        A1   20060803    WO 2006-JP301921        20060131
         W:  AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH,
             CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD,
             GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR,
             KZ, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX,
             MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE,
             SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC,
             VN, YU, ZA, ZM, ZW
         RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE,
             IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ,
             CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH,
             GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY,
             KG, KZ, MD, RU, TJ, TM
     US 2006217323        A1   20060928    US 2006-446014          20060602
     US 2006229260        A1   20061012    US 2006-453728          20060615
     US 2006234954        A1   20061019    US 2006-453727          20060615
     US 2006293251        A1   20061228    US 2006-453726          20060615
PRIORITY APPLN. INFO.:                     US 2003-491534P      P  20030801

                                           WO 2004-JP11312     A2  20040730

                                           US 2003-491523P      P  20030801

                                           US 2003-519155P      P  20031112

                                           US 2003-519209P      P  20031112
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L3   ANSWER 25 OF 162  CAPLUS  COPYRIGHT 2007 ACS on STN      (Continued)
                                         US 2003-519210P      P  20031112

                                         US 2003-519381P      P ,20031112

                                         US 2004-579722P    · P  20040615

                                         US 2004-579730P      P  20040615

                                         US 2004-579758P      P  20040615

                                         US 2004-579792P,     P  20040615

                                         US 2004-903034       A3 20040730

                                         US 2004-903136       A3 20040730

                                         US 2004-903233       A3 20040730

                                         US 2004-903234       A3 20040730

                                         JP 2005-23728        A  20050131

                                         US 2005-45446        A  20050131

                                         US 2005-726653P      P  20051017

                                         WO 2006-JP301921     W  20060131

OTHER SOURCE(S):           CASREACT 143:387313; MARPAT 143:387313
GI
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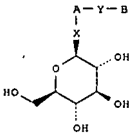

I

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AB   Glycosides I, wherein A and B are: (1) A is unsatd. monocyclic
     heterocyclic, and B is unsatd. monocyclic heterocyclic, unsatd. fused
     hetero-bicyclic, or benzene, (2) A is benzene, and B is unsatd.
monocyclic
     heterocyclic or unsatd. fused hetero-bicyclic, or (3) A is unsatd. fused
     hetero-bicyclic, and B are independently unsatd. monocyclic heterocyclic,
     unsatd. fused hetero-bicyclic, or benzene; X is a carbon atom or a
     nitrogen atom; Y is -(CH2)n- (n is 1 or 2); a pharmaceutically acceptable
     salt thereof, or a prodrug thereof.  A method is claimed for treating or
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L3   ANSWER 25 OF 162  CAPLUS  COPYRIGHT 2007 ACS on STN      (Continued)
     delaying the progression or onset of diabetes mellitus, diabetic
     retinopathy, diabetic neuropathy, diabetic nephropathy, delayed wound
     healing, insulin resistance, hyperglycemia, hyper-insulinemia, elevated
     blood levels of fatty acids, elevated blood levels of glycerol,
     hyperlipidemia, obesity, hypertriglyceridemia, Syndrome X, diabetic
     complications, atherosclerosis, or hypertension.  The pharmaceutical
     compns. may be orally administered to mammalian species including human
     beings, apes, dogs, etc., for example, in the dosage form of tablet,
     capsule, granule or powder, or administered in the form of injection
     prepn., or intra-nasally, or in the form of transdermal patch.  Thus,
     1-(β-D-glucopyranosyl)-4-chloro-3-(6-ethyl-benzo[b]thiophen-2-yl-
     methyl)benzene was prepd. as antidiabetic agent and having inhibitory
     activity against sodium-dependent transporter.
IT   866606-83-9P
     RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT
     (Reactant or reagent)
        (preparation of glycosides as antidiabetic agents and having
inhibitory
        activity against sodium-dependant transpdrter)
RN   866606-83-9  CAPLUS
CN   Methanone, (6-bromo-2-benzothiazolyl)(2-methylphenyl)-  (CA INDEX NAME)
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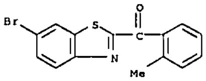

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L3   ANSWER 26 OF 162  CAPLUS  COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER:         2005:962244  CAPLUS
DOCUMENT NUMBER:          143:266946
TITLE:                    Preparation of pyridines and related compounds as
                          TGF-β inhibitors
INVENTOR(S):              Shimizu, Kiyoshi; Shimizu, Toshiyuki; Kawakami,
                          Kazuki; Nakoji, Masayoshi; Sakai, Teruyuki
PATENT ASSIGNEE(S):       Kirin Beer Kabushiki Kaisha, Japan
SOURCE:                   PCT Int. Appl., 461 pp.
                          CODEN: PIXXD2
DOCUMENT TYPE:            Patent
LANGUAGE:                 Japanese
FAMILY ACC. NUM. COUNT:   1
PATENT INFORMATION:

     PATENT NO.          KIND    DATE        APPLICATION NO.         DATE
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     WO 2005080377        A1     20050901    WO 2005-JP2610          20050218
         W:  AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH,
             CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD,
             GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC,
             LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI,
             NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY,
             TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
         RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM,
             AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK,
             EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT,
             RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML,
             MR, NE, SN, TD, TG
     EP 1724268           A1     20061122    EP 2005-719280          20050218
         R:  AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE,
             IS, IT, LI, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR
PRIORITY APPLN. INFO.:                   JP 2004-45383       A  20040220

                                         WO 2005-JP2610      W  20050218

OTHER SOURCE(S):          MARPAT 143:266946
GI


* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY -  AVAILABLE VIA OFFLINE PRINT *

AB   Title compds. I [A = II; Z = O, etc.; D1, D2, D3, D4, X, E, G, J, L, M =
     C, N; further details on D1, D2, D3, D4, X, E, G, J, L, M are given.;
     R1-R6, R10-R14 = H, halo, etc.] were prepared  For example, reaction of
     4-chloro-6,7-dimethoxyquinazoline with
5,6-dimethyl-[2,2'-bipyridin]-3-ol,
     e.g., prepared from 2,3-dimethylfuran in 2 steps, afforded compound III
in 81%
     yield.  In TGF-β signal inhibition assays (in vitro), compound III
     exhibited the inhibitory activity of 89% at 1 μM.  Compds. I are
     claimed useful for the treatment of arthritis, ulcer, etc.
IT   666731-08-4
     RL: PAC (Pharmacological activity); THU (Therapeutic use); BIOL
     (Biological study); USES (Uses)
        (preparation of pyridines and related compds. as TGF-β inhibitors for
        treatment of arthritis, ulcer, etc.)
RN   666731-08-4  CAPLUS
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L3   ANSWER 26 OF 162  CAPLUS  COPYRIGHT 2007 ACS on STN      (Continued)
CN   Methanone, [2-[(6,7-dimethoxy-4-quinolinyl)oxy]-5-methoxyphenyl]-2-
     thiazolyl-  (CA INDEX NAME)
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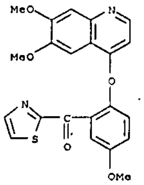

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REFERENCE COUNT:          54     THERE ARE 54 CITED REFERENCES AVAILABLE FOR
THIS

                                 RECORD. ALL CITATIONS AVAILABLE IN THE RE

FORMAT
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L3   ANSWER 27 OF 162  CAPLUS  COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER:         2005:823665  CAPLUS
DOCUMENT NUMBER:          143:229732
TITLE:                    Preparation of quinoline-3-carboxamides as JAK3
kinase
                          modulators, particularly inhibitors
INVENTOR(S):              David, Laurent; Gustafsson, Joergen; Lawitz,
Karolina;
                          Mussie, Tesfaledet; Nikitidis, Antonios
PATENT ASSIGNEE(S):       Astrazeneca AB, Swed.
SOURCE:                   PCT Int. Appl., 149 pp.
                          CODEN: PIXXD2
DOCUMENT TYPE:            Patent
LANGUAGE:                 English
FAMILY ACC. NUM. COUNT:   1
PATENT INFORMATION:

     PATENT NO.          KIND    DATE        APPLICATION NO.         DATE
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     WO 2005075429        A1     20050818    WO 2005-SE156           20050207
         W:  AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH,
             CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD,
             GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC,
             LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI,
             NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY,
             TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
         RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM,
             AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK,
             EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT,
             RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML,
             MR, NE, SN, TD, TG
     EP 1718615           A1     20061108    EP 2005-704807          20050207
         R:  AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
             IE, SI, LT, FI, RO, CY, TR, BG, CZ, EE, HU, PL, SK, IS
     CN 1942445           A      20070404    CN 2005-80011909        20050207
     JP 2007522210        T      20070809    JP 2006-553086          20050207
     IN 2006MN01035       A      20070615    IN 2006-MN1035          20060830
PRIORITY APPLN. INFO.:                       SE 2004-284         A   20040210

                                             WO 2005-SE156       W   20050207

OTHER SOURCE(S):          MARPAT 143:229732
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L3   ANSWER 27 OF 162  CAPLUS  COPYRIGHT 2007 ACS on STN      (Continued)
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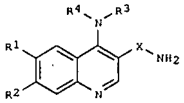

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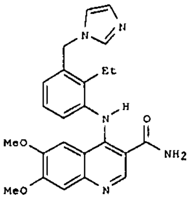

II

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AB   Title compds. I [wherein X = CHOH, CO; R1, R2 = independently NO2, CN,
     alkoxy, alkyl, aryl, etc.; R4 = H, alkyl; R3 = alkyl; (un)substituted
     cycloalkyl, saturated monocyclic 4- to 7-membered ring containing one or
more
     heteroatoms; and their pharmaceutically acceptable salts and solvates]
     were prepared as JAK3 Kinase inhibitors.  For example, chlorination of
     6,7-diethoxy-4-[[2-ethyl-3-(hydroxymethyl)phenyl]amino]quinoline-3-
     carboxamide with SOCl2 and amination of the chloride with imidazole gave
     II.  I displayed an IC50 < 10 μM in a JAK3 HTRF assay.  I and their
     pharmaceutical compns. are useful for treating asthma host vs. graft
     rejection/transplantation, autoimmune diseases, etc.
IT   862716-94-7P, 6,7-Diethoxy-4-[[2-ethyl-3-[[[3-(1,3-thiazol-4-yl)-L-
     alanyl]amino]methyl]phenyl]amino]quinoline-3-carboxamide
     862716-95-8P, 6,7-Diethoxy-4-[[2-ethyl-3-[[[3-(1,3-thiazol-4-yl)-L-
     alanyl]amino]methyl]phenyl]amino]quinoline-3-carboxamide
     tris(trifluoroacetate)
     RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU
     (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES
     (Uses)
        (drug candidate; preparation of quinoline-3-carboxamides as JAK3
kinase
        inhibitors)
RN   862716-94-7  CAPLUS
CN   3-Quinolinecarboxamide, 4-[[3-[[[(2S)-2-amino-1-oxo-3-(2-
     thiazolyl)propyl]amino]methyl]-2-ethylphenyl]amino]-6,7-diethoxy-  (CA
     INDEX NAME)
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L3   ANSWER 27 OF 162  CAPLUS  COPYRIGHT 2007 ACS on STN      (Continued)
Absolute stereochemistry.
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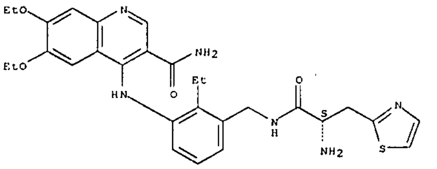

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RN   862716-95-8  CAPLUS
CN   3-Quinolinecarboxamide, 4-[[3-[[[(2S)-2-amino-1-oxo-3-(2-
     thiazolyl)propyl]amino]methyl]-2-ethylphenyl]amino]-6,7-diethoxy-,
     bis(trifluoroacetate) (9CI)  (CA INDEX NAME)

     CM   1

     CRN  862716-94-7
     CMF  C29 H34 N6 O4 S

Absolute stereochemistry.
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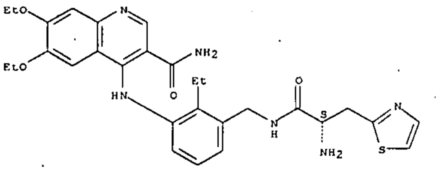

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     CRN  76-05-1
     CMF  C2 H F3 O2
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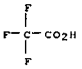

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REFERENCE COUNT:          7     THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS
                                RECORD. ALL CITATIONS AVAILABLE IN THE RE
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L3   ANSWER 27 OF 162  CAPLUS  COPYRIGHT 2007 ACS on STN      (Continued)
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L3   ANSWER 28 OF 162  CAPLUS  COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER:         2005:497502  CAPLUS
DOCUMENT NUMBER:          143:53440
TITLE:                    Substituted benzoimidazole compounds as transcription
                          factor-modulating compounds useful as anti-infectives
INVENTOR(S):              Levy, Stuart B.; Alekshun, Michael N.; Podlogar,
Brent
                          L.; Ohemeng, Kwasi; Verma, Atul K.; Warchol, Tadeusz;
                          Bhatia, Beena; Bowser, Todd; Grier, Mark
PATENT ASSIGNEE(S):       Paratek Pharmaceuticals, Inc., USA.
SOURCE:                   U.S. Pat. Appl. Publ., 463 pp., Cont.-in-part of U.S.
                          Ser. No. 139,591.
                          CODEN: USXXCO
DOCUMENT TYPE:            Patent
LANGUAGE:                 English
FAMILY ACC. NUM. COUNT:   4
PATENT INFORMATION:

     PATENT NO.          KIND    DATE       APPLICATION NO.          DATE
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     US 2005124678        A1     20050609   US 2003-700661            20031103
     CA 2445515           A1     20021104   CA 2002-2445515           20020506
     AU 2002367953        A1     20040106   AU 2002-367953            20020506
     EP 1524974           A2     20050427   EP 2002-807554            20020506
         R:  AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
             IE, SI, LT, LV, FI, RO, MK, CY, AL, TR
     JP 2005519998        T      20050707   JP 2004-515557            20020506
     US 2003229065        A1     20031211   US 2002-139591            20020814
     US 2004106553        A1     20040603   US 2003-602562            20030624
PRIORITY APPLN. INFO.:                      US 2001-288660P       P   20010504

                                            US 2002-139591        A2  20020814

                                            US 2002-423319P       P   20021101

                                            US 2002-425916P       P   20021113

                                            WO 2002-US14255       W   20020506

                                            US 2002-391345P       P   20020624

                                            US 2002-421218P       P   20021025

                                            US 2002-429142P       P   20021126

                                            US 2003-458935P       P   20030331

OTHER SOURCE(S):          MARPAT 143:53440
AB   Substituted benzoimidazole compds. useful as anti-infectives that
decrease
     resistance, virulence, or growth of microbes are provided.  Methods of
     making and using substituted benzoimidazole compds., as well as
     pharmaceutical prepns. thereof, in, e.g., reducing antibiotic resistance
     and inhibiting biofilms.  The present invention identifies microbial
     transcription factors, especially transcription factors of the AraC-XylS
family,
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L3   ANSWER 28 OF 162  CAPLUS  COPYRIGHT 2007 ACS on STN      (Continued)
     as virulence factors in microbes and shows that inhibition of these
     factors reduces the virulence of microbial cells.  Because these
     transcription factors control virulence, rather than essential cellular
     processes, the development of resistance is much less likely.
IT   222715-96-0
     RL: PAC (Pharmacological activity); THU (Therapeutic use); BIOL
     (Biological study); USES (Uses)
        (substituted benzoimidazole compds. as transcription factor-modulating
        compds. useful as anti-infectives)
RN   222715-96-0  CAPLUS
CN   Ethanone, 2-(2-benzothiazolyl)-1-(5-ethyl-2,4-dihydroxyphenyl)-  (9CI)
(CA
     INDEX NAME)
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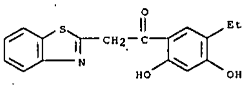

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L3   ANSWER 29 OF 162  CAPLUS  COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER:         2005:300418  CAPLUS
DOCUMENT NUMBER:          142:373843
TITLE:                    Preparation of derivatives of 1,3-diones having a
                          herbicidal activity
INVENTOR(S):              Meazza, Giovanni; Paravidino, Piero; Bettarini,
                          Franco; Forgia, Daniele; Fornara, Luca
PATENT ASSIGNEE(S):       Isagro Ricerca S.R.L., Italy
SOURCE:                   PCT Int. Appl., 279 pp.
                          CODEN: PIXXD2
DOCUMENT TYPE:            Patent
LANGUAGE:                 English
FAMILY ACC. NUM. COUNT:   1
PATENT INFORMATION:

     PATENT NO.          KIND    DATE       APPLICATION NO.          DATE
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     WO 2005030736        A1     20050407   WO 2004-EP10653           20040921
         W:  AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH,
             CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD,
             GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC,
             LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI,
             NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY,
             TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
         RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM,
             AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK,
             EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE,
             SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE,
             SN, TD, TG
     AU 2004275963        A1     20050407   AU 2004-275963            20040921
     CA 2539744           A1     20050407   CA 2004-2539744           20040921
     EP 1670772           A1     20060621   EP 2004-765514            20040921
         R:  AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
             IE, SI, FI, RO, CY, TR, BG, CZ, EE, HU, PL, SK
     BR 2004014875        A      20061121   BR 2004-14875             20040921
     CN 1882552           A      20061220   CN 2004-80033970          20040921
     JP 2007507444        T      20070329   JP 2006-530008            20040921
     US 2007015918        A1     20070118   US 2006-573052            20060322
     IN 2006DN01605       A      20070824   IN 2006-DN1605            20060324
PRIORITY APPLN. INFO.:                      IT 2003-MI1855        A   20030929

                                            WO 2004-EP10653       W   20040921

OTHER SOURCE(S):          CASREACT 142:373843; MARPAT 142:373843
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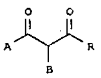

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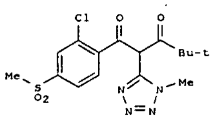

II

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L3   ANSWER 29 OF 162  CAPLUS  COPYRIGHT 2007 ACS on STN      (Continued)
AB   The title compds. I [A = (un)substituted aryl, heterocyclyl; B = D(R1)n;
R
     = H, alkyl, haloalkyl, aryl, etc.; D = heterocyclyl, heteroaryl; R1 = H,
     halo, NO2, etc.; n = 1-9; with exclusions], useful as herbicides for the
     control of weeds in agricultural crops, were prepared  E.g., a multi-step
     synthesis of II, starting from 4,4-dimethyl-3-oxopentanenitrile, was
     given.  The compds. I were tested for pre- and post-emergence herbicidal
     activity (data were given for representative compds. I).
IT   849518-23-6P
     RL: AGR (Agricultural use); BSU (Biological study, unclassified); SPN
     (Synthetic preparation); BIOL (Biological study); PREP (Preparation);
USES
     (Uses)
        (preparation of substituted 1,3-propanediones having a herbicidal
activity)
RN   849518-23-6  CAPLUS
CN   1,3-Propanedione,
1-[2-chloro-4-(methylsulfonyl)phenyl]-3-cyclopropyl-2-(4-
     methyl-2-thiazolyl)-  (CA INDEX NAME)
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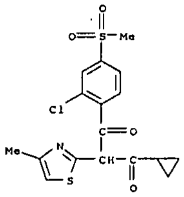

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REFERENCE COUNT:            11     THERE ARE 11 CITED REFERENCES AVAILABLE FOR
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L3   ANSWER 30 OF 162  CAPLUS  COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER:         2005:120950  CAPLUS
DOCUMENT NUMBER:          142:219491
TITLE:                    Preparation of glycosides as antidiabetic agents and
                          having inhibitory activity against sodium-dependant
                          transporter
INVENTOR(S):              Nomura, Sumihiro; Kawanishi, Eiji; Ueta, Kiichiro
PATENT ASSIGNEE(S):       Tanabe Seiyaku Co., Ltd., Japan
SOURCE:                   PCT Int. Appl., 221 pp.
                          CODEN: PIXXD2
DOCUMENT TYPE:            Patent
LANGUAGE:                 English
FAMILY ACC. NUM. COUNT:   8
PATENT INFORMATION:

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     WO 2005012326        A1     20050210    WO 2004-JP11312          20040730
         W:  AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH,
             CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD,
             GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC,
             LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI,
             NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY,
             TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
         RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM,
             AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK,
             EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE,
             SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE,
             SN, TD, TG
     AU 2004260761        A1     20050210    AU 2004-260761           20040730
     CA 2534024           A1     20050210    CA 2004-2534024          20040730
     EP 1651658           A1     20060503    EP 2004-771314           20040730
         R:  AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
             IE, SI, LT, LV, FI, RO, CY, TR, BG, CZ, EE, HU, PL, SK, HR
     CN 1829729           A      20060906    CN 2004-80022007         20040730
     BR 2004013232        A      20061003    BR 2004-13232            20040730
     JP 2007518683        T      20070712    JP 2006-519251           20040730
     US 2005233988        A1     20051020    US 2005-45446            20050131
     NO 2006000220        A      20060502    NO 2006-220              20060116
     MX 2006PA01274       A      20060411    MX 2006-PA1274           20060131
     IN 2006CN00734       A      20070608    IN 2006-CN734            20060228
     US 2006217323        A1     20060928    US 2006-446014           20060602
     US 2006229260        A1     20061012    US 2006-453728           20060615
     US 2006234954        A1     20061019    US 2006-453727           20060615
     US 2006293251        A1     20061228    US 2006-453726           20060615
PRIORITY APPLN. INFO.:                       US 2003-491534P      P  20030801

                                             US 2003-491523P      P  20030801

                                             US 2003-519155P      P  20031112

                                             US 2003-519209P      P  20031112

                                             US 2003-519210P      P  20031112

                                             US 2003-519381P      P  20031112
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L3   ANSWER 30 OF 162  CAPLUS  COPYRIGHT 2007 ACS on STN      (Continued)
     patch.  Thus, 1-(β-D-glucopyranosyl)-4-chloro-3-(6-ethyl-
     benzo[b]thiophen-2-yl-methyl)benzene was prepd. as antidiabetic agent and
     having inhibitory activity against sodium-dependent transporter.
IT   842135-83-5P
     RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT
     (Reactant or reagent)
        (preparation of glycosides as antidiabetic agents and having
inhibitory
        activity against sodium-dependant transporter)
RN   842135-83-5  CAPLUS
CN   Methanone, 2-benzothiazolyl(5-bromo-2-methylphenyl)-  (CA INDEX NAME)
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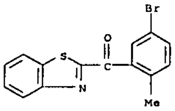

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REFERENCE COUNT:          7     THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS
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L3   ANSWER 30 OF 162  CAPLUS  COPYRIGHT 2007 ACS on STN      (Continued)
                                             US 2004-579722P      P  20040615

                                             US 2004-579730P      P  20040615

                                             US 2004-579758P      P  20040615

                                             US 2004-579792P      P  20040615

                                             US 2004-903034       A3 20040730

                                             US 2004-903136       A3 20040730

                                             US 2004-903233       A3 20040730

                                             US 2004-903234       A3 20040730

                                             WO 2004-JP11312      W  20040730

OTHER SOURCE(S):          MARPAT 142:219491
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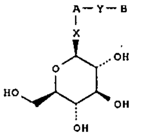

I

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AB   Glycosides I, wherein A and B are: (1) A is unsatd. monocyclic
     heterocyclic, and B is unsatd. monocyclic heterocyclic, unsatd. fused
     hetero-bicyclic, or benzene, (2) A is benzene, and B is unsatd.
monocyclic
     heterocyclic or unsatd. fused hetero-bicyclic, or (3) A is unsatd. fused
     hetero-bicyclic, and B are independently unsatd. monocyclic heterocyclic,
     unsatd. fused hetero-bicyclic, or benzene; X is a carbon atom or a
     nitrogen atom; Y is -(CH2)n- (n is 1 or 2); a pharmaceutically acceptable
     salt thereof, or a prodrug thereof.  A method is claimed for treating or
     delaying the progression or onset of diabetes mellitus, diabetic
     retinopathy, diabetic neuropathy, diabetic nephropathy, delayed wound
     healing, insulin resistance, hyperglycemia, hyper-insulinemia, elevated
     blood levels of fatty acids, elevated blood levels of glycerol,
     hyperlipidemia, obesity, hypertriglyceridemia, Syndrome X, diabetic
     complications, atherosclerosis, or hypertension.  The pharmaceutical
     compns. may be orally administered to mammalian species including human
     beings, apes, dogs, etc., for example, in the dosage form of tablet,
     capsule, granule or powder, or parenterally administered in the form of
     injection preparation, or intra-nasally, or in the form of
tranucleosideermal
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L3   ANSWER 31 OF 162  CAPLUS  COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER:         2005:71160  CAPLUS
DOCUMENT NUMBER:          142:176547
TITLE:                    Preparation of diphenylamino ketone derivatives as
MEK
                          inhibitors
INVENTOR(S):              Barrett, Stephen Douglas; Kaufman, Michael David;
                          Plummer, Mark Stephen; Reed, Jessica Elizabeth; Roth,
                          Bruce David; Schlosser, Kevin Matthew
PATENT ASSIGNEE(S):       Warner-Lambert Company LLC, USA
SOURCE:                   PCT Int. Appl., 45 pp.
                          CODEN: PIXXD2
DOCUMENT TYPE:            Patent
LANGUAGE:                 English
FAMILY ACC. NUM. COUNT:   1
PATENT INFORMATION:

     PATENT NO.          KIND    DATE        APPLICATION NO.         DATE
     ---------------     ----    --------    --------------------    --------
     WO 2005007616        A1     20050127    WO 2004-IB2281           20040712
         W:  AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH,
             CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD,
             GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC,
             LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI,
             NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY,
             TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
         RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM,
             AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK,
             EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE,
             SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE,
             SN, TD, TG
     US 2005059710        A1     20050317    US 2004-896514           20040722
PRIORITY APPLN. INFO.:                       US 2003-489599P      P  20030723

OTHER SOURCE(S):          CASREACT 142:176547; MARPAT 142:176547
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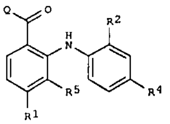
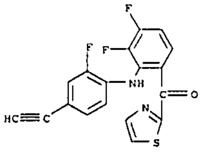


I

```
AB   The title compds. I [Q = (un)substituted alkyl, alkenyl, alkynyl,
     heteroaryl; R1, R5 = H, F; R2 = H, Cl, F, Me; R4 = halo, alkyl,
     cycloalkyl, etc.], useful for treating cancer, psoriasis, restenosis,
     atherosclerosis, etc., were prepared  Thus, treating 3,4-difluoro-2-(2-
     fluoro-4-iodophenylamino)benzoic acid with oxalyl chloride and DMF in
     CH2Cl2 followed by reacting the resulting acid chloride with
     tris(trimethylsilyloxy)ethylene, and treatment of the reaction mixture
with
     a solution of dioxane and 10% aqueous HCl afforded 10% I [Q = CH2OH; R1,
R2, R5 =
L3   ANSWER 31 OF 162  CAPLUS  COPYRIGHT 2007 ACS on STN      (Continued)
     F; R4 = I) which showed IC50 of 0.02 µM and 0.0065 µM in C26ELISA
     and C26CPA1 cellular assays for measuring MEK inhibition.  The
     pharmaceutical compn. comprising I is disclosed.
IT   833451-85-7P
     RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU
     (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES
     (Uses)
        (preparation of 2-anilinophenyl ketones as MEK inhibitors)
RN   833451-85-7  CAPLUS
CN   Methanone, [2-[(4-ethynyl-2-fluorophenyl)amino]-3,4-difluorophenyl]-2-
     thiazolyl-  (CA INDEX NAME)
```



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REFERENCE COUNT:          4     THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS
                                RECORD. ALL CITATIONS AVAILABLE IN THE RE
FORMAT
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L3   ANSWER 32 OF 162  CAPLUS  COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER:         2004:1059314  CAPLUS
DOCUMENT NUMBER:          142:38245
TITLE:                    Preparation of imidazo-fused oxazolo[4,5-b]pyridine
                          and imidazo-fused thiazolo[4,5-b]pyridine based
                          tricyclic compounds as IKK kinase inhibitors for
                          treating inflammation and immune disorders
INVENTOR(S):              Pitts, William J.; Belema, Makonen; Gill, Patrice;
                          Kempson, James; Qiu, Yuping; Quesnelle, Claude;
                          Spergel, Steven H.; Zusi, Christopher
PATENT ASSIGNEE(S):       Bristol-Myers Squibb Company, USA
SOURCE:                   PCT Int. Appl., 327 pp.
                          CODEN: PIXXD2
DOCUMENT TYPE:            Patent
LANGUAGE:                 English
FAMILY ACC. NUM. COUNT:   1
PATENT INFORMATION:

     PATENT NO.          KIND   DATE        APPLICATION NO.          DATE
     ---------------     ----   --------    --------------------     --------
     WO 2004106293        A2    20041209    WO 2004-US15623 .        20040519
     WO 2004106293        A3    20050324
         W:  AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH,
             CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD,
             GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC,
             LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI,
             NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY,
             TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
         RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM,
             AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK,
             EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE,
             SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE,
             SN, TD, TG
     US 2005101626        A1    20050512    US 2004-848412           20040518
     US 7176214           B2    20070213
     US 2006217412        A1    20060928    US 2006-444856           20060601
PRIORITY APPLN. INFO.:                      US 2003-472246P       P  20030521

                                            US 2004-848412        A3 20040518

OTHER SOURCE(S):          MARPAT 142:38245
GI
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L3   ANSWER 32 OF 162  CAPLUS  COPYRIGHT 2007 ACS on STN      (Continued)
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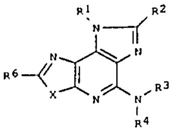

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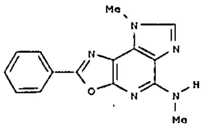

II

```
AB   Title compds. I [wherein X = O, S; R1 = H, alk(en/yn)yl; R2 = H, halo,
CN,
     (un)substituted alk(en/yn)yl, hetero/aryloxy, cycloalkoxy, etc.; R3, R4 =
     independently H, (un)substituted alk(en/yn)yl, aryl, haloalkyl, OH and
     derivs., etc.; R6 = H, OH and derivs., halo, CN, (un)substituted
     alk(en/yn)yl, cycloalkyl, aryl, etc.; their enantiomers, diastereomers,
     salts, and.solvates] were prepared as IKK kinase inhibitors for the
     treatment of inflammatory and immune diseases.  For example, reaction of
     5-Chloro-8-methyl-2-phenyl-8H-imidazo[4,5-d]oxazolo[5,4-b]pyridine
(preparation
     given) with MeNH2•HCl yielded compound II.  The compds. of this
     invention are active in vivo in the LPS-induced TNFα secretion
     model.
IT   805320-67-6P, N-[(2-Fluorophenyl)methyl]-8-methyl-5-(methylamino)-
     8H-imidazo[4,5-d]thiazolo[5,4-b]pyridine-2-carboxamide
     RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU
     (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES
     (Uses)
        (drug candidate; preparation of fused imidazooxazolopyridines and
        imidazothiazolopyridines as IKK kinase inhibitors for treating
        inflammation and immune disorders)
RN   805320-67-6  CAPLUS
CN   8H-Imidazo[4,5-d]thiazolo[5,4-b]pyridine-2-carboxamide,
     N-[(2-fluorophenyl)methyl]-8-methyl-5-(methylamino)-  (CA INDEX NAME)
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L3   ANSWER 32 OF 162  CAPLUS  COPYRIGHT 2007 ACS on STN      (Continued)
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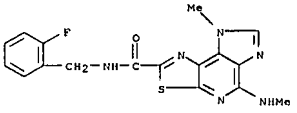

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L3   ANSWER 33 OF 162  CAPLUS  COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER:         2004:1016038  CAPLUS
DOCUMENT NUMBER:          142:6515
TITLE:                    Preparation of oxazolidinone derivatives as
                          antibacterial agents
INVENTOR(S):              Akella, Satya Surya Visweswara Srinivas; Agrawal,
Shiv
                          Kumar; Samuel, Matte Marianna
PATENT ASSIGNEE(S):       Orchid Chemicals & Pharmaceuticals Ltd., India
SOURCE:                   PCT Int. Appl., 73 pp.
                          CODEN: PIXXD2
DOCUMENT TYPE:            Patent
LANGUAGE:                 English
FAMILY ACC. NUM. COUNT:   1
PATENT INFORMATION:

     PATENT NO.          KIND   DATE       APPLICATION NO.        DATE
     ---------------     ----   --------   --------------------   --------
     WO 2004101552        A1    20041125   WO 2004-IB1508         20040512
         W:  AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH,
             CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD,
             GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC,
             LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI,
             NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY,
             TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
         RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM,
             AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK,
             EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE,
             SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE,
             SN, TD, TG
     IN 2003MA00413       A     20050304   IN 2003-MA413          20030514
     IN 2003CH00413       A     20070727   IN 2003-CH413          20030514
PRIORITY APPLN. INFO.:                     IN 2003-CH413       TO 20030514

                                           IN 2003-MA413       A  20030514

OTHER SOURCE(S):          MARPAT 142:6515
GI
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L3   ANSWER 33 OF 162  CAPLUS  COPYRIGHT 2007 ACS on STN     (Continued)
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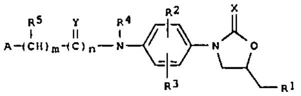

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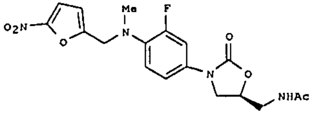

II

```
AB   Title compds. represented by the formula I (wherein X = O or S; R1 =
Halo,
     azido, nitro, (un)substituted alkylaminocarbonyloxy, etc.; R2, R3 =
     independently H, halo, HO, cyano, etc.; R4 = H, (un)substituted alkyl,
     alkenyl, aryl, etc.; R5 = H, halo, HO, (un)substituted alkyl, etc.; Y = O
     or S; m = 0-4; n = 0 or 1; A = substituted aryl, (un)substituted aralkyl,
     cycloalkyl, heteroaryl, etc.; with a proviso; and their derivs., analogs,
     tautomeric forms, stereoisomers, polymorphs, solvates, and
     pharmaceutically acceptable salts thereof] were prepared as antibacterial
     agents.  For example, II was given in a multi-step synthesis starting
from
     the reaction of 3,4-difluoronitrobenzene with methylamine•HCl.  I
     showed in vitro antibacterial activity against 29 ATCC standard strains,
such
     as 9 strains of S. aureus and 9 strains of E. faecalis, with MIC values
     ranging from 1 µg/mL to 16 µg/mL.  Thus, I and their pharmaceutical
     compns. are useful as antibacterial agents for the treatment of the
     infectious disorders caused by bacteria.
IT   797759-61-6P 797759-62-7P 797759-63-8P
     RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU
     (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES
     (Uses)
        (preparation of 3-phenyl-2-oxazolidinone derivs. as antibacterial
agents)
RN   797759-61-6  CAPLUS
CN   2-Thiazoleacetamide, N-[2-fluoro-4-[(5S)-2-oxo-5-[[(1-
     thioxoethyl)amino]methyl]-3-oxazolidinyl]phenyl]-N-methyl-   (CA INDEX
     NAME)

Absolute stereochemistry.
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L3   ANSWER 33 OF 162  CAPLUS  COPYRIGHT 2007 ACS on STN     (Continued)
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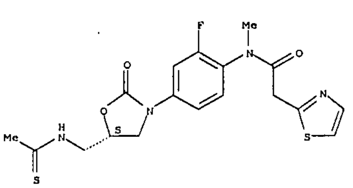

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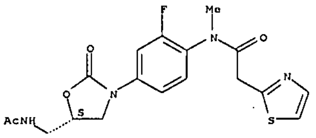
RN   797759-62-7  CAPLUS
CN   2-Thiazoleacetamide, N-[4-[(5S)-5-[(acetylamino)methyl]-2-oxo-3-
     oxazolidinyl]-2-fluorophenyl]-N-methyl-   (CA INDEX NAME)

Absolute stereochemistry.
```



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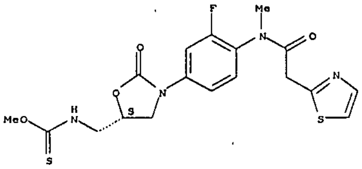
RN   797759-63-8  CAPLUS
CN   Carbamothioic acid, [[(5S)-3-[3-fluoro-4-[methyl(2-
     thiazolylacetyl)amino]phenyl]-2-oxo-5-oxazolidinyl]methyl]-, O-methyl
     ester (9CI)  (CA INDEX NAME)

Absolute stereochemistry.
```



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REFERENCE COUNT:          5      THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS
                                 RECORD. ALL CITATIONS AVAILABLE IN THE RE
FORMAT
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```
L3   ANSWER 34 OF 162  CAPLUS  COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER:         2004:927230  CAPLUS
DOCUMENT NUMBER:          141:395807
TITLE:                    Preparation of macrocyclic isoquinoline peptide
                          inhibitors of hepatitis C virus
INVENTOR(S):              McPhee, Fiona; Campbell, Jeffrey Allen; Li, Wenying;
                          D'Andrea, Stanley; Zheng, Zhizhen Barbara; Good,
                          Andrew Charles; Carini, David J.; Johnson, Barry L.;
                          Scola, Paul Michael
PATENT ASSIGNEE(S):       Bristol-Myers Squibb Company, USA
SOURCE:                   PCT Int. Appl., 280 pp.
                          CODEN: PIXXD2
DOCUMENT TYPE:            Patent
LANGUAGE:                 English
FAMILY ACC. NUM. COUNT:   1
PATENT INFORMATION:

     PATENT NO.          KIND   DATE       APPLICATION NO.        DATE
     ---------------     ----   --------   --------------------   --------
     WO 2004094452        A2    20041104   WO 2004-US11824        20040416
     WO 2004094452        A3    20050519
         W:  AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH,
             CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD,
             GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC,
             LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI,
             NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY,
             TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
         RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ,
             BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE,
             ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI,
             SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN,
             TD, TG
     US 2005090432        A1    20050428   US 2004-825693         20040416
     US 7173004           B2    20070206
     EP 1629000           A2    20060301   EP 2004-759941         20040416
         R:  AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
             IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, PL, SK,
HR
     JP 2006523714        T     20061019   JP 2006-513076         20040416
     NO 2005004841        A     20060111   NO 2005-4841           20051019
     US 2006257980        A1    20061116   US 2006-415722         20060502
PRIORITY APPLN. INFO.:                     US 2003-463423P     P  20030416

                                           US 2004-825693      A3 20040416

                                           WO 2004-US11824     W  20040416

OTHER SOURCE(S):          MARPAT 141:395807
GI


* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY -  AVAILABLE VIA OFFLINE PRINT *

AB   The invention discloses macrocyclic isoquinoline peptides I [R1-R6 are
     independently H, alkyl, cycloalkyl, alkoxy, cyano, halo, hydroxy,
     alkanoyl, nitro, amino, carboxyl, alkylsulfonyl, etc.; R7 is NH2 or
     NR10R11, where R10 is alkyl, haloalkyl, carbamoyl, carboxy or thiocarboxy
     ester or an acyl group; R11 is H, alkyl or haloalkyl; R8, R9 are H or
L3   ANSWER 34 OF 162  CAPLUS  COPYRIGHT 2007 ACS on STN     (Continued)
     alkyl optionally substituted with halogen, alkoxy or haloalkoxy; Q is a
     satd. or unsatd. chain optionally contg. one to three heteroatoms O,
     S(O)0-2, NH, alkylimino, cycloalkylimino, etc.; W is OH, NHS(O)1-2R12,
     where R12 is alkyl, cycloalkyl, aryl or heterocyclyl] or their
     pharmaceutically-acceptable enantiomers, diastereomers, salts, solvates
or
     prodrugs and methods for using them to inhibit the hepatitis C virus
     (HCV).  Thus, cyclic peptide II (Boc = tert-butoxycarbonyl) was prepd.
via
     peptide coupling and olefin metathesis cyclization reactions and showed
     IC50 and EC50 values <0.05 μM in the HCV NS3/4A protease inhibition
     assay.  Combination studies showed that treatment of replicon cells with
     an HCV NS3 protease inhibitor, compd. II and Intron A and/or inhibitors
     targeting HCV NS5A and/or NS5B, yield additive to synergistic antiviral
     effects.
IT   630422-15-0P
     RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT
     (Reactant or reagent)
        (preparation of macrocyclic isoquinoline peptide inhibitors of
hepatitis C
        virus)
RN   630422-15-0  CAPLUS
CN   Benzamide, N,N-diethyl-4-methoxy-2-[2-oxo-2-(2-thiazolyl)ethyl]-  (CA
     INDEX NAME)
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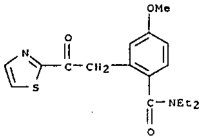

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L3   ANSWER 35 OF 162  CAPLUS  COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER:        2004:696372  CAPLUS
DOCUMENT NUMBER:         141:225498
TITLE:                   Preparation 2-(sulfo-phenyl)-aminothiazole
derivatives
                         with antiproliferative activity
INVENTOR(S):             Chong, Wesley Kwan Mung; Chu, Shaosong; Duvadie,
Rohit
                         Kumar; Li, Lin; Na, Jim; Schaffer, Lana; Yang, Yi
PATENT ASSIGNEE(S):      Pfizer Inc., USA
SOURCE:                  PCT Int. Appl., 179 pp.
                         CODEN: PIXXD2
DOCUMENT TYPE:         . Patent
LANGUAGE:                English
FAMILY ACC. NUM. COUNT:  1
PATENT INFORMATION:

     PATENT NO.          KIND    DATE       APPLICATION NO.         DATE
     ---------------     ----    --------   --------------------    --------
     WO 2004072070        A1     20040826   WO 2004-IB287            20040203
         W:  AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH,
             CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD,
             GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC,
             LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI
         RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE,
             BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU,
             MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN,
             GQ, GW, ML, MR, NE, SN, TD, TG
     CA 2515728           A1     20040826   CA 2004-2515728          20040203
     EP 1594866           A1     20051116   EP 2004-707585           20040203
         R:  AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
             IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK
     BR 2004007456        A      20060131   BR 2004-7456             20040203
     JP 2006517577        T      20060727   JP 2006-502399           20040203
     US 2004176431        A1     20040909   US 2004-776450           20040211
PRIORITY APPLN. INFO.:                      US 2003-447329P      P   20030212

                                            WO 2004-IB287        W   20040203

OTHER SOURCE(S):         MARPAT 141:225498
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L3   ANSWER 35 OF 162  CAPLUS  COPYRIGHT 2007 ACS on STN     (Continued)
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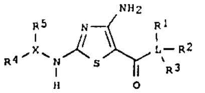

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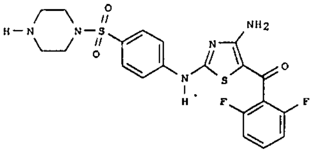

II

```
AB   Title compds. I [X = cycloalkyl, heterocycloalkyl, aryl or heteroaryl; L
=
     (un)substituted-alkyl, -cycloalkyl, -heterocycloalkyl, -aryl,
-heteroaryl;
     R1 = OH, halo, alkyl, alkoxyl, acyl, amide and NO2; R2 and R3
     independently = H, OH, halo, alkyl, alkoxyl, acyl, amide, amino,
     acetamido, and NO2; R4 = substituted-sulfonyl, -sulfoxide or -sulfanyl;
R5
     = H, OH, halo, alkyl, alkoxyl, acyl, amide and nitro], and their
     pharmaceutically acceptable salts, prodrugs, active metabolites, and
     pharmaceutically acceptable salts of said metabolites are prepared and
     disclosed as antiproliferative agents.  Thus, e.g, II was prepared by
     cyclization of 4-isothiocyanatobenzenesulfonyl fluoride (preparation
given)
     with 2-bromo-2',6'-difluoroacetophenone (preparation given) followed by
     substitution with piperazine.  I were evaluated for cyclin dependent
     kinase activity as well as inhibition of cell growth.  For example, in
     cell growth inhibition studies, II demonstrated an IC50 of 1.0 μM.
     These agents modulate and/or inhibit the cell proliferation and activity
     of protein kinases and are useful as pharmaceuticals for treating
     malignancies and other disorders.
IT   746626-00-6P
     RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU
     (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES
     (Uses)
        (preparation and antiproliferative activity of diaminothiazoles)
RN   746626-00-6  CAPLUS
CN   2-Thiazolecarboxamide,
N-[3-[[4-amino-2-[[4-(aminosulfonyl)phenyl]amino]-5-
     thiazolyl]carbonyl]-2,4-difluorophenyl]-  (CA INDEX NAME)
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L3   ANSWER 35 OF 162  CAPLUS  COPYRIGHT 2007 ACS on STN     (Continued)
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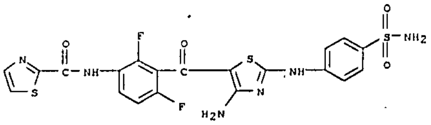

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IT   746630-05-7P 746630-06-8P
     RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT
     (Reactant or reagent)
        (preparation and antiproliferative activity of diaminothiazoles)
RN   746630-05-7  CAPLUS
CN   2-Thiazolecarboxamide, N-(3-acetyl-2,4-difluorophenyl)-  (CA INDEX NAME)
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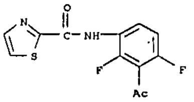

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RN   746630-06-8  CAPLUS
CN   2-Thiazolecarboxamide, N-[3-(bromoacetyl)-2,4-difluorophenyl]- (9CI)  (CA
     INDEX NAME)
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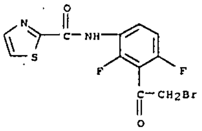

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L3   ANSWER 36 OF 162  CAPLUS  COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER:        2004:633933  CAPLUS
DOCUMENT NUMBER:         141:174181
TITLE:                   Preparation of quinolines, quinazolines and
                         thienopyrimidines as ALK-5 receptor ligands for the
                         treatment of kidney fibrosis
INVENTOR(S):             Dodic, Nerina; Gellibert, Francoise Jeanne; Hunter,
                         Robert Neil, III
PATENT ASSIGNEE(S):      Smithkline Beecham Corporation, USA
SOURCE:                  PCT Int. Appl., 50 pp.
                         CODEN: PIXXD2
DOCUMENT TYPE:           Patent
LANGUAGE:                English
FAMILY ACC. NUM. COUNT:  1
PATENT INFORMATION:

     PATENT NO.          KIND   DATE        APPLICATION NO.        DATE
     ---------------     ----   --------    --------------------   --------
     WO 2004065392        A1    20040805    WO 2004-EP650          20040126
     WO 2004065392        A8    20041007
         W:  AE, AE, AG, AL, AL, AM, AM, AM, AT, AT, AU, AZ, AZ, BA, BB, BG,
             BG, BR, BR, BW, BY, BY, BZ, BZ, CA, CH, CN, CN, CO, CO, CR, CR,
             CU, CU, CZ, CZ, DE, DE, DK, DK, DM, DZ, EC, EC, EE, EE, EG, ES,
             ES, FI, FI, GB, GD, GE, GE, GH, GM, HR, HR, HU, HU, ID, IL, IN,
             IS, JP, JP, KE, KE, KG, KG, KP, KP, KP, KR, KR, KZ, KZ, KZ, LC,
             LK, LR, LS, LS, LT, LU, LV, MA, MD, MD, MG, MK, MN, MW, MX, MX,
             MZ, MZ, NA, NI
PRIORITY APPLN. INFO.:                          GB 2003-1719        A  20030124

                                                GB 2003-8706        A  20030415

                                                GB 2003-15519       A  20030702

OTHER SOURCE(S):         MARPAT 141:174181
GI
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L3   ANSWER 36 OF 162  CAPLUS  COPYRIGHT 2007 ACS on STN      (Continued)
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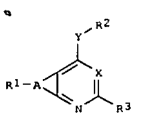
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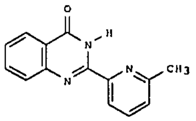
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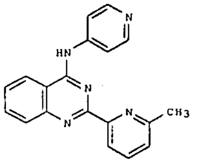
III

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AB   Condensed pyridines and pyrimidines (quinolines, quinazolines and
     thienopyrimidines) of formula I [X is N or CH; Y is -NR- or -NHCH2-; R is
     alkyl; A is a fused 5-7 membered carbocyclic or N/O/S-heterocyclic ring
     with one or more R1 groups; R1 is H, halo, NO2, alkyl, OR, CONR4R5,
     O(CH2)nNR4R5, (CH2)nNR4R5, or NR4R5; R2 is certain N-containing
heterocyclic
     rings; R3 is pyridin-2-yl, C1-6alkyl-pyridin-2-yl, -pyrrol-2-yl or
     -thiazol-2-yl; R4 is H or alkyl; R5 is alkyl; NR4R5 can be 3-7 membered
     (un)saturated N/O/S-heterocycle] and their pharmaceutically acceptable
salts,
     solvates or derivs. were synthesized.  Thus, 2-aminobenzamide was coupled
     with 6-methyl-2-pyridinecarboxylic acid in the presence of EDCI/HOBT
     followed by cyclocondensation mediated by NaOH to give quinazolinone II.
     Chlorination of II with POCl3 and subsequent substitution of the
resulting
     chloride with 4-aminopyridine afforded quinazoline III.  These compds.
are
     inhibitors of the transforming growth factor TGF-β, especially of
     activin-like kinase ALK-5 receptor, and are used in the treatment and
     prevention of various disease states mediated by ALK-5 kinase mechanisms
     such as kidney fibrosis.  All the final products showed ALK5 receptor
     modulator activity with IC50 of 1-200 nM (16 nM for III) and TGF-β
     cellular activity with IC50 of 0.001-10 μM (82 nM for III).  The role
     of ALK5 inhibitors for the treatment of photoaging was also demonstrated
     exptl.
IT   733806-27-4P
     RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT
     (Reactant or reagent)
        (intermediate; preparation of quinolines, quinazolines and
thienopyrimidines
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L3   ANSWER 36 OF 162  CAPLUS  COPYRIGHT 2007 ACS on STN      (Continued)
        as ALK-5 receptor ligands for the treatment of, e.g., kidney fibrosis)
RN   733806-27-4  CAPLUS
CN   2-Thiazolecarboxamide, N-[2-(aminocarbonyl)phenyl]-4-methyl-  (CA INDEX
     NAME)
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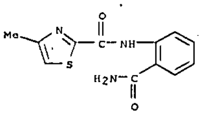

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REFERENCE COUNT:          2     THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS
                                RECORD. ALL CITATIONS AVAILABLE IN THE RE
FORMAT
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L3   ANSWER 37 OF 162  CAPLUS  COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER:        2004:584882  CAPLUS
DOCUMENT NUMBER:         141:143186
TITLE:                   Photoelectric converting semiconductor material,
                         photoelectric converter, and photoelectrochemical
cell
INVENTOR(S):             Ofuku, Koji; Kita, Hiroshi; Otsu, Shinya; Kagawa,
                         Nobuaki
PATENT ASSIGNEE(S):      Konica Minolta Holdings, Inc., Japan
SOURCE:                  Jpn. Kokai Tokkyo Koho, 84 pp.
                         CODEN: JKXXAF
DOCUMENT TYPE:           Patent
LANGUAGE:                Japanese
FAMILY ACC. NUM. COUNT:  1
PATENT INFORMATION:

     PATENT NO.          KIND   DATE        APPLICATION NO.        DATE
     ---------------     ----   --------    --------------------   --------
     JP 2004207224        A     20040722    JP 2003-371879         20031031
PRIORITY APPLN. INFO.:                      JP 2002-360637      A  20021212

OTHER SOURCE(S):         MARPAT 141:143186
GI
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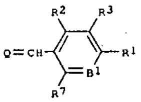
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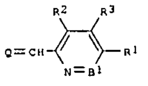
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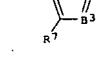
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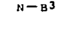
IV

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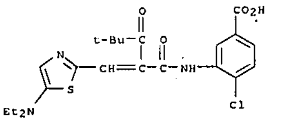
AB   The semiconductor material contains a monomethene compound Q:CH-A, where
A =
     5- or 6-member aromatic or heterocyclic ring, Q = atom group rendering
the
     compound absorptance in visible and near IR range and has ≥1
     (in)directly connected -COOM group (M = H or salt forming cation).  The
     compound is preferably I, II, III, or IV, where the R's are various
     substituent groups or H and may join together to form rings, and B's are
     :CR6- or :N-; and Q is various N containing aromatic or heterocyclic
group.  The
     photoelec. converter has the semiconductor material on a conductive
     support.  The photoelectrochem. cell has the photoelec. converter, a
     charge transporting layer, and a counter electrode.
IT   724786-83-8
     RL: MOA (Modifier or additive use); USES (Uses)
```

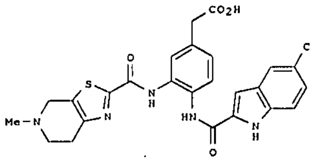
L3 ANSWER 37 OF 162 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)
(monomethene pigments in photoelec. converting semiconductor materials for photoelectrochem. cells)
RN 724786-83-8 CAPLUS
CN Benzoic acid, 4-chloro-3-[[2-[[5-(diethylamino)-2-thiazolyl]methylene]-4,4-dimethyl-1,3-dioxopentyl]amino]- (CA INDEX NAME)



L3 ANSWER 38 OF 162 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2004:584667 CAPLUS
DOCUMENT NUMBER: 141:140425
TITLE: Preparation of 1,2-phenylenediamine amides as activated blood coagulation factor X inhibitors
INVENTOR(S): Takemura, Makoto; Ota, Toshiharu; Uoto, Koichi; Kawakami, Katsuhiro; Yoshino, Toshiharu; Yokomizo, Yoshihiro; Yoshikawa, Kenji
PATENT ASSIGNEE(S): Daiichi Seiyaku Co., Ltd., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 308 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	JP 2004203791	A	20040722	JP 2002-375655	20021225
PRIORITY APPLN. INFO.:				JP 2002-375655	20021225

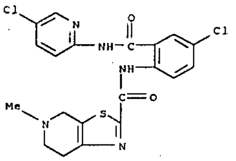
OTHER SOURCE(S): MARPAT 141:140425
GI



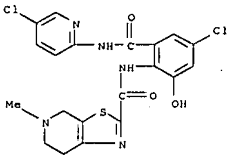
I

AB The title thiazolopyridinecarboxylic acid 1,2-phenylenediamine amides with general formula of Q1-Q2-A0-Q3-A00-Q4 [wherein Q1 = (un)substituted cyclohydrocarbyl, heterocyclyl, etc.; Q2 = a single bond, alkylene, alkenylene, etc.; Q3 = (un)substituted phenylene or any other (hetero)arylene; Q4 = (un)substituted aryl, arylalkenyl, etc.; A0 = (un)substituted CONH or CSNH; A00 = OCH2, (un)substituted CONH, SO2NH, etc.] or salts, solvates, or N-oxides thereof are prepared as activated blood coagulation factor X inhibitors. For example, the compound I was prepared in a multi-step synthesis. I inhibited human FXa with IC50 of 1.9 nM. The compds. are useful for the treatment of blood coagulation, thrombosis, embolism, etc. (no data).
IT 726207-72-3P 726207-74-5P
RL: PAC (Pharmacological activity); RCT (Reactant); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)

L3 ANSWER 38 OF 162 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)
(drug candidate; prepn. of 1,2-phenylenediamine amides as activated blood coagulation factor X inhibitors)
RN 726207-72-3 CAPLUS
CN Thiazolo[5,4-c]pyridine-2-carboxamide, N-[4-chloro-2-[[(5-chloro-2-pyridinyl)amino]carbonyl]phenyl]-4,5,6,7-tetrahydro-5-methyl- (CA INDEX NAME)

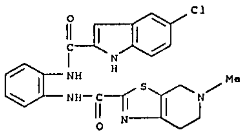


RN 726207-74-5 CAPLUS
CN Thiazolo[5,4-c]pyridine-2-carboxamide, N-[4-chloro-2-[[(5-chloro-2-pyridinyl)amino]carbonyl]-6-hydroxyphenyl]-4,5,6,7-tetrahydro-5-methyl- (CA INDEX NAME)

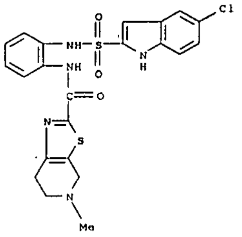


IT 726207-30-3P 726207-33-6P 726207-36-9P
726207-39-2P 726207-40-5P 726207-41-6P
726207-42-7P 726207-43-8P 726207-44-9P
726207-45-0P 726207-46-1P 726207-47-2P
726207-48-3P 726207-49-4P 726207-50-7P
726207-51-8P 726207-52-9P 726207-53-0P
726207-54-1P 726207-56-3P 726207-57-4P
726207-58-5P 726207-59-6P 726207-60-9P
726207-61-0P 726207-62-1P 726207-63-2P
726207-64-3P 726207-65-4P 726207-66-5P
726207-67-6P 726207-68-7P 726207-69-8P
726207-70-1P 726207-71-2P 726207-73-4P
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(drug candidate; preparation of 1,2-phenylenediamine amides as activated blood coagulation factor X inhibitors)
RN 726207-30-3 CAPLUS

L3 ANSWER 38 OF 162 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)
CN Thiazolo[5,4-c]pyridine-2-carboxamide, N-[2-[[(5-chloro-1H-indol-2-yl)carbonyl]amino]phenyl]-4,5,6,7-tetrahydro-5-methyl- (CA INDEX NAME)

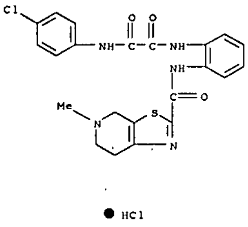


RN 726207-33-6 CAPLUS
CN Thiazolo[5,4-c]pyridine-2-carboxamide, N-[2-[[(5-chloro-1H-indol-2-yl)sulfonyl]amino]phenyl]-4,5,6,7-tetrahydro-5-methyl- (CA INDEX NAME)

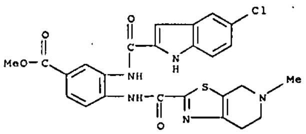


RN 726207-36-9 CAPLUS
CN Ethanediamide, N-(4-chlorophenyl)-N'-[2-[[(4,5,6,7-tetrahydro-5-methylthiazolo[5,4-c]pyridin-2-yl)carbonyl]amino]phenyl]-, monohydrochloride (9CI) (CA INDEX NAME)

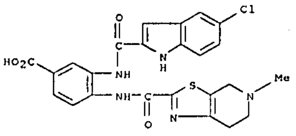
L3 ANSWER 38 OF 162 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



RN 726207-39-2 CAPLUS
CN Benzoic acid, 3-[[(5-chloro-1H-indol-2-yl)carbonyl]amino]-4-[[(4,5,6,7-tetrahydro-5-methylthiazolo[5,4-c]pyridin-2-yl)carbonyl]amino]-, methyl ester (CA INDEX NAME)

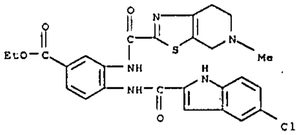


RN 726207-40-5 CAPLUS
CN Benzoic acid, 3-[[(5-chloro-1H-indol-2-yl)carbonyl]amino]-4-[[(4,5,6,7-tetrahydro-5-methylthiazolo[5,4-c]pyridin-2-yl)carbonyl]amino]- (CA INDEX NAME)

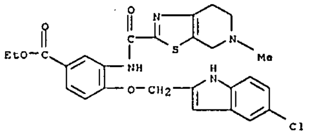


RN 726207-41-6 CAPLUS

L3 ANSWER 38 OF 162 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)
CN Benzoic acid, 4-[[(5-chloro-1H-indol-2-yl)carbonyl]amino]-3-[[(4,5,6,7-tetrahydro-5-methylthiazolo[5,4-c]pyridin-2-yl)carbonyl]amino]-, ethyl ester (CA INDEX NAME)

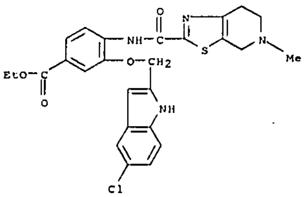


RN 726207-42-7 CAPLUS
CN Benzoic acid,
4-[(5-chloro-1H-indol-2-yl)methoxy]-3-[[(4,5,6,7-tetrahydro-5-methylthiazolo[5,4-c]pyridin-2-yl)carbonyl]amino]-, ethyl ester (CA INDEX NAME)

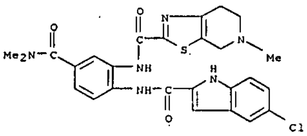


RN 726207-43-8 CAPLUS
CN Benzoic acid,
3-[(5-chloro-1H-indol-2-yl)methoxy]-4-[[(4,5,6,7-tetrahydro-5-methylthiazolo[5,4-c]pyridin-2-yl)carbonyl]amino]-, ethyl ester (CA INDEX NAME)

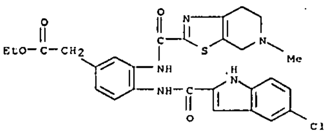
L3 ANSWER 38 OF 162 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



RN 726207-44-9 CAPLUS
CN Thiazolo[5,4-c]pyridine-2-carboxamide, N-[2-[[(5-chloro-1H-indol-2-yl)carbonyl]amino]-5-[(dimethylamino)carbonyl]phenyl]-4,5,6,7-tetrahydro-5-methyl- (CA INDEX NAME)

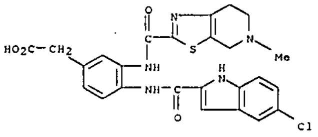


RN 726207-45-0 CAPLUS
CN Benzeneacetic acid, 4-[[(5-chloro-1H-indol-2-yl)carbonyl]amino]-3-[[(4,5,6,7-tetrahydro-5-methylthiazolo[5,4-c]pyridin-2-yl)carbonyl]amino]-, ethyl ester (CA INDEX NAME)

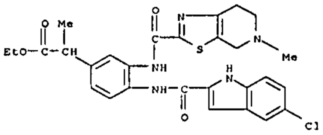


RN 726207-46-1 CAPLUS
CN Benzeneacetic acid, 4-[[(5-chloro-1H-indol-2-yl)carbonyl]amino]-3-[[(4,5,6,7-tetrahydro-5-methylthiazolo[5,4-c]pyridin-2-yl)carbonyl]amino]- (CA INDEX NAME)

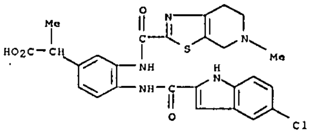
L3 ANSWER 38 OF 162 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



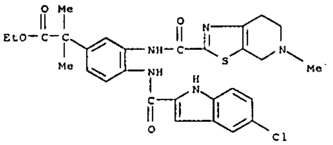
RN 726207-47-2 CAPLUS
CN Benzeneacetic acid, 4-[[(5-chloro-1H-indol-2-yl)carbonyl]amino]-α-methyl-3-[[(4,5,6,7-tetrahydro-5-methylthiazolo[5,4-c]pyridin-2-yl)carbonyl]amino]-, ethyl ester (CA INDEX NAME)



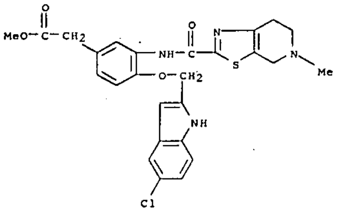
RN 726207-48-3 CAPLUS
CN Benzeneacetic acid, 4-[[(5-chloro-1H-indol-2-yl)carbonyl]amino]-α-methyl-3-[[(4,5,6,7-tetrahydro-5-methylthiazolo[5,4-c]pyridin-2-yl)carbonyl]amino]- (CA INDEX NAME)



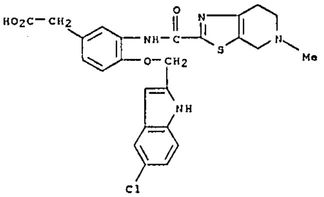
RN 726207-49-4 CAPLUS
CN Benzeneacetic acid, 4-[[(5-chloro-1H-indol-2-yl)carbonyl]amino]-α,α-dimethyl-3-[[(4,5,6,7-tetrahydro-5-methylthiazolo[5,4-c]pyridin-2-yl)carbonyl]amino]-, ethyl ester (CA INDEX NAME)



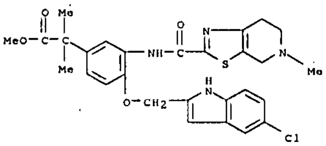
RN 726207-50-7 CAPLUS
CN Benzeneacetic acid, 4-[(5-chloro-1H-indol-2-yl)methoxy]-3-[[(4,5,6,7-tetrahydro-5-methylthiazolo[5,4-c]pyridin-2-yl)carbonyl]amino]-, methyl ester (CA INDEX NAME)



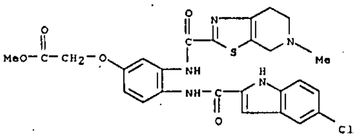
RN 726207-51-8 CAPLUS
CN Benzeneacetic acid, 4-[(5-chloro-1H-indol-2-yl)methoxy]-3-[[(4,5,6,7-tetrahydro-5-methylthiazolo[5,4-c]pyridin-2-yl)carbonyl]amino]- (CA INDEX NAME)



RN 726207-52-9 CAPLUS
CN Benzeneacetic acid, 4-[(5-chloro-1H-indol-2-yl)methoxy]-α,α-dimethyl-3-[[(4,5,6,7-tetrahydro-5-methylthiazolo[5,4-c]pyridin-2-yl)carbonyl]amino]-, methyl ester (CA INDEX NAME)

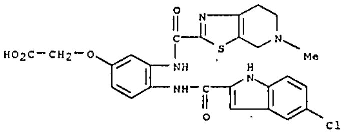


RN 726207-53-0 CAPLUS
CN Acetic acid, [4-[[(5-chloro-1H-indol-2-yl)carbonyl]amino]-3-[[(4,5,6,7-tetrahydro-5-methylthiazolo[5,4-c]pyridin-2-yl)carbonyl]amino]phenoxy]-, methyl ester (9CI) (CA INDEX NAME)

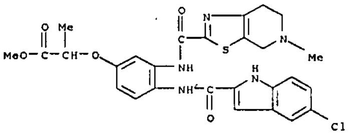


RN 726207-54-1 CAPLUS
CN Acetic acid, [4-[[(5-chloro-1H-indol-2-yl)carbonyl]amino]-3-[[(4,5,6,7-tetrahydro-5-methylthiazolo[5,4-c]pyridin-2-yl)carbonyl]amino]phenoxy]-

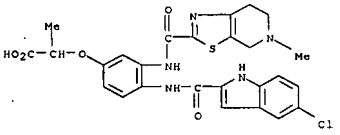
(9CI) (CA INDEX NAME)



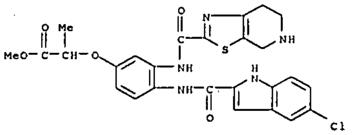
RN 726207-56-3 CAPLUS
CN Propanoic acid, 2-[4-[[(5-chloro-1H-indol-2-yl)carbonyl]amino]-3-[[(4,5,6,7-tetrahydro-5-methylthiazolo[5,4-c]pyridin-2-yl)carbonyl]amino]phenoxy]-, methyl ester (CA INDEX NAME)



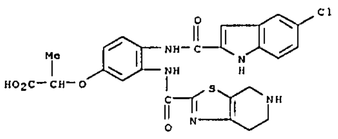
RN 726207-57-4 CAPLUS
CN Propanoic acid, 2-[4-[[(5-chloro-1H-indol-2-yl)carbonyl]amino]-3-[[(4,5,6,7-tetrahydro-5-methylthiazolo[5,4-c]pyridin-2-yl)carbonyl]amino]phenoxy]- (CA INDEX NAME)



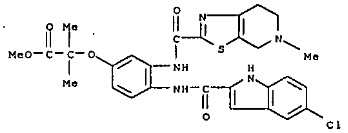
RN 726207-58-5 CAPLUS
CN Propanoic acid, 2-[4-[[(5-chloro-1H-indol-2-yl)carbonyl]amino]-3-[[(4,5,6,7-tetrahydrothiazolo[5,4-c]pyridin-2-yl)carbonyl]amino]phenoxy]-, methyl ester (CA INDEX NAME)



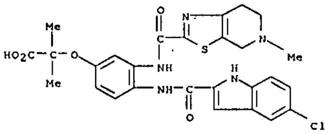
RN 726207-59-6 CAPLUS
CN Propanoic acid, 2-[4-[[(5-chloro-1H-indol-2-yl)carbonyl]amino]-3-[[(4,5,6,7-tetrahydrothiazolo[5,4-c]pyridin-2-yl)carbonyl]amino]phenoxy]- (CA INDEX NAME)



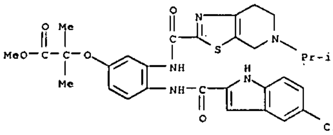
RN 726207-60-9 CAPLUS
CN Propanoic acid, 2-[4-[[(5-chloro-1H-indol-2-yl)carbonyl]amino]-3-[[(4,5,6,7-tetrahydro-5-methylthiazolo[5,4-c]pyridin-2-yl)carbonyl]amino]phenoxy]-2-methyl-, methyl ester (CA INDEX NAME)



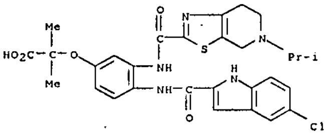
RN 726207-61-0 CAPLUS
CN Propanoic acid, 2-[4-[[(5-chloro-1H-indol-2-yl)carbonyl]amino]-3-[[(4,5,6,7-tetrahydro-5-methylthiazolo[5,4-c]pyridin-2-yl)carbonyl]amino]phenoxy]-2-methyl- (CA INDEX NAME)



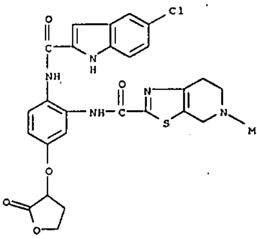
RN 726207-62-1 CAPLUS
CN Propanoic acid, 2-[4-[[(5-chloro-1H-indol-2-yl)carbonyl]amino]-3-
[[[4,5,6,7-tetrahydro-5-(1-methylethyl)thiazolo[5,4-c]pyridin-2-
yl]carbonyl]amino]phenoxy]-2-methyl-, methyl ester (CA INDEX NAME)



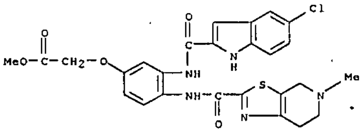
RN 726207-63-2 CAPLUS
CN Propanoic acid, 2-[4-[[(5-chloro-1H-indol-2-yl)carbonyl]amino]-3-
[[[4,5,6,7-tetrahydro-5-(1-methylethyl)thiazolo[5,4-c]pyridin-2-
yl]carbonyl]amino]phenoxy]-2-methyl- (CA INDEX NAME)



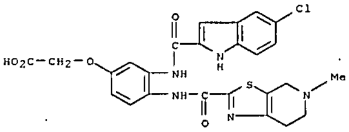
RN 726207-64-3 CAPLUS
CN Thiazolo[5,4-c]pyridine-2-carboxamide, N-[2-[[(5-chloro-1H-indol-2-
yl)carbonyl]amino]-5-[(tetrahydro-2-oxo-3-furanyl)oxy]phenyl]-4,5,6,7-
tetrahydro-5-methyl- (CA INDEX NAME)



RN 726207-65-4 CAPLUS
CN Acetic acid, [3-[[(5-chloro-1H-indol-2-yl)carbonyl]amino]-4-[[(4,5,6,7-
tetrahydro-5-methylthiazolo[5,4-c]pyridin-2-yl)carbonyl]amino]phenoxy]-,
methyl ester (9CI) (CA INDEX NAME)

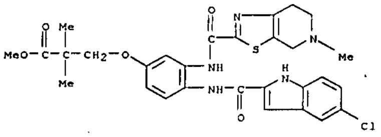


RN 726207-66-5 CAPLUS
CN Acetic acid, [3-[[(5-chloro-1H-indol-2-yl)carbonyl]amino]-4-[[(4,5,6,7-
tetrahydro-5-methylthiazolo[5,4-c]pyridin-2-yl)carbonyl]amino]phenoxy]-
(9CI) (CA INDEX NAME)

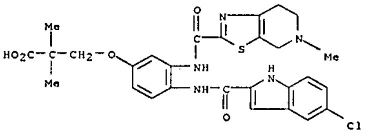


RN 726207-67-6 CAPLUS

CN Propanoic acid, 3-[4-[[(5-chloro-1H-indol-2-yl)carbonyl]amino]-3-
[[(4,5,6,7-tetrahydro-5-methylthiazolo[5,4-c]pyridin-2-
yl)carbonyl]amino]phenoxy]-2,2-dimethyl-, methyl ester (CA INDEX NAME)

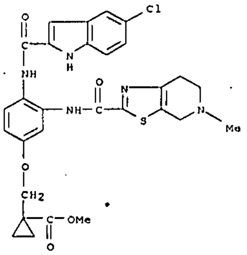


RN 726207-68-7 CAPLUS
CN Propanoic acid, 3-[4-[[(5-chloro-1H-indol-2-yl)carbonyl]amino]-3-
[[(4,5,6,7-tetrahydro-5-methylthiazolo[5,4-c]pyridin-2-
yl)carbonyl]amino]phenoxy]-2,2-dimethyl- (CA INDEX NAME)



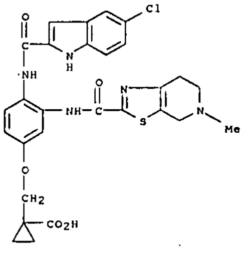
RN 726207-69-8 CAPLUS
CN Cyclopropanecarboxylic acid, 1-[[4-[[(5-chloro-1H-indol-2-

yl)carbonyl]amino]-3-[[(4,5,6,7-tetrahydro-5-methylthiazolo[5,4-c]pyridin-
2-yl)carbonyl]amino]phenoxy]methyl]-, methyl ester (CA INDEX NAME)

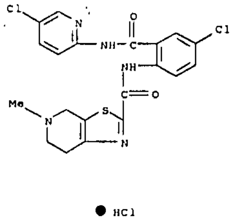


RN 726207-70-1 CAPLUS
CN Cyclopropanecarboxylic acid, 1-[[4-[[(5-chloro-1H-indol-2-

yl)carbonyl]amino]-3-[[(4,5,6,7-tetrahydro-5-methylthiazolo[5,4-c]pyridin-
2-yl)carbonyl]amino]phenoxy]methyl]- (CA INDEX NAME)

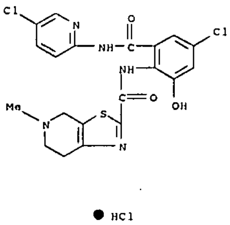


RN 726207-71-2 CAPLUS
CN Thiazolo[5,4-c]pyridine-2-carboxamide, N-[4-chloro-2-[[(5-chloro-2-
pyridinyl)amino]carbonyl]phenyl]-4,5,6,7-tetrahydro-5-methyl-,
monohydrochloride (9CI) (CA INDEX NAME)



RN 726207-73-4 CAPLUS
CN Thiazolo[5,4-c]pyridine-2-carboxamide, N-[4-chloro-2-[[(5-chloro-2-
pyridinyl)amino]carbonyl]-6-hydroxyphenyl]-4,5,6,7-tetrahydro-5-methyl-,
monohydrochloride (9CI) (CA INDEX NAME)

L3 ANSWER 38 OF 162 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



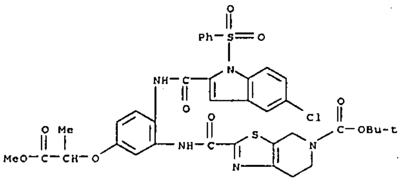
IT 726207-24-5P 726207-25-6P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(preparation of 1,2-phenylenediamine amides as activated blood coagulation factor X inhibitors)

RN 726207-24-5 CAPLUS

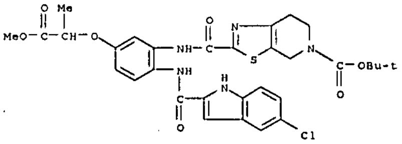
CN Thiazolo[5,4-c]pyridine-5(4H)-carboxylic acid, 2-[[[2-[[[5-chloro-1-(phenylsulfonyl)-1H-indol-2-yl]carbonyl]amino]-5-(2-methoxy-1-methyl-2-oxoethoxy)phenyl]amino]carbonyl]-6,7-dihydro-, 1,1-dimethylethyl ester (CA INDEX NAME)



RN 726207-25-6 CAPLUS

CN Thiazolo[5,4-c]pyridine-5(4H)-carboxylic acid, 2-[[[2-[[(5-chloro-1H-indol-2-yl)carbonyl]amino]-5-(2-methoxy-1-methyl-2-oxoethoxy)phenyl]amino]carbonyl]-6,7-dihydro-, 1,1-dimethylethyl ester (CA INDEX NAME)

L3 ANSWER 38 OF 162 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



L3 ANSWER 39 OF 162 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 2004:331761 CAPLUS

DOCUMENT NUMBER: 140:357668

TITLE: Preparation of tripeptides as hepatitis C virus inhibitors

INVENTOR(S): Campbell, Jeffrey Allen; D'Andrea, Stanley; Good, Andrew; Li, Jianqing; McPhee, Fiona; Ripka, Amy; Scola, Paul Michael; Tu, Yong

PATENT ASSIGNEE(S): Bristol-Myers Squibb Company, USA

SOURCE: U.S. Pat. Appl. Publ., 139 pp.
CODEN: USXXCO

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.		DATE
US 2004077551	A1	20040422	US 2003-441428		20030520
US 6878722	B2	20050412			
WO 2004043339	A2	20040527	WO 2003-US15780		20030520
WO 2004043339	A3	20040722			
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW					
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG					
AU 2003301959	A1	20040603	AU 2003-301959		20030520
EP 1505945	A2	20050216	EP 2003-808384		20030520
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK					
JP 2006501307	T	20060112	JP 2004-551405		20030520
NO 2004004895	A	20041228	NO 2004-4895		20041110
PRIORITY APPLN. INFO.:			US 2002-382149P	P	20020520
			WO 2003-US15780	W	20030520

OTHER SOURCE(S): MARPAT 140:357668

GI

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

AB The invention relates to tripeptides I [R1 is trialkylsilyl, halo, cycloalkyl, aryl, aryloxy, acyl, etc.; R2, R3 are (un)substituted alkyl, alkenyl or cycloalkyl; R2 may also be H and R2 and R3 may form a ring with the carbons to which they are attached; R6 is H, alkyl, cycloalkyl, alkoxy, CF3, cyano, halo, alkanoyl, amino, carboxy, etc.; R7 is H, alkyl, cycloalkyl, aryl, etc.; m, n are 1 or 2; p is 1-3; Y is H, nitrophenyl or -pyridyl, (un)substituted alkyl; B is H, alkyl, an acyl, thioacyl or sulfonyl group] or their pharmaceutically-acceptable salts for the treatment of hepatitis C virus (HCV) infection. Thus, II (Boc =

L3 ANSWER 39 OF 162 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

tert-butoxycarbonyl) was prepd. by a multistep procedure involving peptide coupling in soln. and showed IC50 and EC50 values < 0.05 μM for inhibition NS3/4A protease (BMS strain).

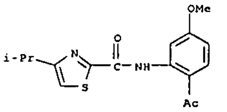
IT 300831-07-6P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(preparation of tripeptides as hepatitis C virus inhibitors)

RN 300831-07-6 CAPLUS

CN 2-Thiazolecarboxamide, N-(2-acetyl-5-methoxyphenyl)-4-(1-methylethyl)- (9CI) (CA INDEX NAME)



REFERENCE COUNT: 49 THERE ARE 49 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

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L3   ANSWER 40 OF 162  CAPLUS  COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER:         2004:205961  CAPLUS
DOCUMENT NUMBER:          142:197900
TITLE:                    Product class 10: phthalazines
AUTHOR(S):                Haider, N.; Holzer, W.
CORPORATE SOURCE:         Germany
SOURCE:                   Science of Synthesis (2004), 16, 315-372
                          CODEN: SSCYJ9
PUBLISHER:                Georg Thieme Verlag
DOCUMENT TYPE:            Journal; General Review
LANGUAGE:                 English
AB   A review.  Preparation is given for phthalazines via ring closure or
     transformation reactions, aromatization or substituent modification.
IT   137382-37-7
     RL: RCT (Reactant); RACT (Reactant or reagent)
        (preparation of phthalazines)
RN   137382-37-7  CAPLUS
CN   Benzoic acid, 2-(2-thiazolylcarbonyl)- (9CI)  (CA INDEX NAME)
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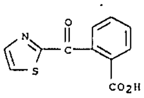

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REFERENCE COUNT:          384    THERE ARE 384 CITED REFERENCES AVAILABLE FOR
                                 THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE
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L3   ANSWER 41 OF 162  CAPLUS  COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER:         2004:182845  CAPLUS
DOCUMENT NUMBER:          140:217519
TITLE:                    Preparation of quinoline derivatives as TGFβ
                          inhibitors
INVENTOR(S):              Shimizu, Kiyoshi; Shimizu, Toshiyuki; Kimura, Kaname;
                          Kawakami, Kazuki; Nakoji, Masayoshi
PATENT ASSIGNEE(S):       Kirin Beer Kabushiki Kaisha, Japan
SOURCE:                   PCT Int. Appl., 628 pp.
                          CODEN: PIXXD2
DOCUMENT TYPE:            Patent
LANGUAGE:                 Japanese
FAMILY ACC. NUM. COUNT:   1
PATENT INFORMATION:

     PATENT NO.          KIND   DATE        APPLICATION NO.         DATE
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     WO 2004018430        A1    20040304    WO 2003-JP10647         20030822
         W:  AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,
             CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,
             GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR,
             LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM,
             PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN,
             TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
         RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY,
             KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES,
             FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR,
             BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG
     AU 2003257666        A1    20040311    AU 2003-257666          20030822
     EP 1548008           A1    20050629    EP 2003-792805          20030822
         R:  AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
             IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK
     CN 1688549           A     20051026    CN 2003-824397          20030822
     US 2006111375        A1    20060525    US 2005-525087          20050223
PRIORITY APPLN. INFO.:                      JP 2002-244028       A  20020823

                                            WO 2003-JP10647      W  20030822

OTHER SOURCE(S):          MARPAT 140:217519
GI
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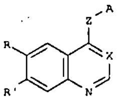

I

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AB   The title compds. I [wherein X = CH or N; Z = O, NH, S, or CO; R and R' =
     independently H, halo, (un)substituted alkyl, alkenyl, NH2, CONH2, OH, or
     heterocyclyl; A = (un)substituted Ph or (hetero)cyclyl] or
     pharmaceutically acceptable salts, or solvates thereof are prepared as
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L3   ANSWER 41 OF 162  CAPLUS  COPYRIGHT 2007 ACS on STN      (Continued)
     transforming growth factor (TGF) β inhibitors.  For example,
     4-chloro-6,7-dimethoxyquinoline was reacted with 2-benzylphenol in
     1,2-dichlorobenzene to give 4-(2-benzylphenoxy)-6,7-dimethoxyquinoline
     (10%).  Some of compds. I inhibited 100% of human TGFβ at 10 μM.
IT   666731-08-4P
     RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU
     (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES
     (Uses)
        (drug candidate; preparation of quinoline derivs. as TGFβ inhibitors)
RN   666731-08-4  CAPLUS
CN   Methanone, [2-[(6,7-dimethoxy-4-quinolinyl)oxy]-5-methoxyphenyl]-2-
     thiazolyl-  (CA INDEX NAME)
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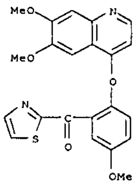

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REFERENCE COUNT:          50     THERE ARE 50 CITED REFERENCES AVAILABLE FOR
THIS

                                 RECORD. ALL CITATIONS AVAILABLE IN THE RE
FORMAT
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L3 · ANSWER 42 OF 162  CAPLUS  COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER:         2004:182843  CAPLUS
DOCUMENT NUMBER:          140:235498
TITLE:                    Preparation of antibacterial benzoic acid derivatives
INVENTOR(S):              Thorarensen, Atli; Ruble, Craig J.; Fisher, Jed F.;
                          Romero, Donna L.; Beauchamp, Thomas J.; Northuis,
Jill
                          M.
PATENT ASSIGNEE(S):       Pharmacia & Upjohn Company, USA
SOURCE:                   PCT Int. Appl., 500 pp.
                          CODEN: PIXXD2
DOCUMENT TYPE:            Patent
LANGUAGE:                 English
FAMILY ACC. NUM. COUNT:   1
PATENT INFORMATION:

     PATENT NO.          KIND   DATE        APPLICATION NO.         DATE
     ---------------     ----   --------    --------------------    --------
     WO 2004018428        A1    20040304    WO 2003-US24796         20030822
         W:  AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,
             CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,
             GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR,
             LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PG,
             PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR,
             TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
         RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY,
             KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES,
             FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR,
             BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG
     US 2004110802        A1    20040610    US 2003-645802          20030820
     AU 2003264005        A1    20040311    AU 2003-264005          20030822
PRIORITY APPLN. INFO.:                      US 2002-405429P      P  20020823

                                            US 2002-430592P      P  20021203

                                            WO 2003-US24796      W  20030822

OTHER SOURCE(S):          MARPAT 140:235498
GI
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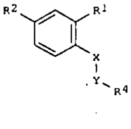

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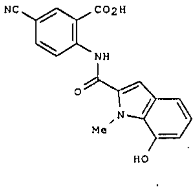


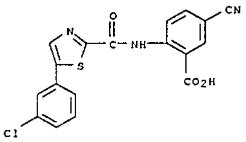
II

```
AB   Title compds. I [X = NH; Y = CO, CS, C(NCN), or X and Y together form an
     alkene or cycloalkyl; R1 = CO2H; R2 = electron withdrawing group; R4 =
```

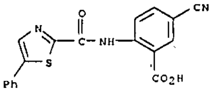
L3 ANSWER 42 OF 162 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)
(un)substituted heterocycle, provided that the heterocycle is not simultaneously substituted with a sulfonamide and a urea or thiourea] and their pharmaceutically acceptable salts are prepd. and disclosed as antibacterial agents. Thus, e.g., II was prepd. via conversion of 7-(benzyloxy)-1-methyl-1H-indole-2-carboxylic acid (prepn. given) to the acid chloride which is reacted with tert-butyl-2-amino-5-cyanobenzoate then subjected to hydrolysis. For compds. of the invention, the min. inhibitory concn. was detd. and found to correspond to a range of 0.0075 - >128 μg/mL. The invention provides antimicrobial agents and methods of using the agents for sterilization, sanitation, antisepsis, disinfection, and treatment of infections in mammals.

IT 668977-10-4P 668977-11-5P 668977-12-6P
668977-13-7P
RL: BSU (Biological study, unclassified); PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of benzoic acid derivs. as antibacterial agents)

RN 668977-10-4 CAPLUS
CN Benzoic acid, 2-[[[5-(3-chlorophenyl)-2-thiazolyl]carbonyl]amino]-5-cyano- (CA INDEX NAME)

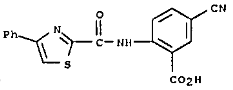


RN 668977-11-5 CAPLUS
CN Benzoic acid, 5-cyano-2-[[(5-phenyl-2-thiazolyl)carbonyl]amino]- (CA INDEX NAME)

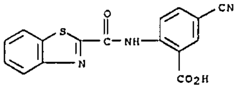


RN 668977-12-6 CAPLUS
CN Benzoic acid, 5-cyano-2-[[(4-phenyl-2-thiazolyl)carbonyl]amino]- (CA INDEX NAME)

L3 ANSWER 42 OF 162 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



RN 668977-13-7 CAPLUS
CN Benzoic acid, 2-[(2-benzothiazolylcarbonyl)amino]-5-cyano- (CA INDEX NAME)



REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 43 OF 162 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2003:971725 CAPLUS
DOCUMENT NUMBER: 140:35893
TITLE: Transcription factor modulating compounds and methods of use thereof
INVENTOR(S): Levy, Stuart B.; Alekshun, Michael N.; Podlogar, Brent L.; Ohemeng, Kwasi; Verma, Atul K.; Warchol, Tadeusz; Bhatia, Beena
PATENT ASSIGNEE(S): USA
SOURCE: U.S. Pat. Appl. Publ., 301 pp.
CODEN: USXXCO
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 4
PATENT INFORMATION:

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     PATENT NO.          KIND    DATE        APPLICATION NO.        DATE
     ---------------     ----    --------    --------------------   --------
     US 2003229065        A1     20031211    US 2002-139591         20020814
     CA 2445515           A1     20021104    CA 2002-2445515        20020506
     WO 2004001058        A2     20031231    WO 2002-US14255        20020506
     WO 2004001058        A3     20050303
         W:  AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,
             CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,
             GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR,
             LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH,
             PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ,
             UA, UG, US, UZ, VN, YU, ZA, ZM, ZW
         RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY,
             KG, KZ, MD, RU, TJ, TM, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB,
             GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA,
             GN, GQ, GW, ML, MR, NE, SN, TD, TG
     AU 2002367953        A1     20040106    AU 2002-367953         20020506
     EP 1524974           A2     20050427    EP 2002-807554         20020506
         R:  AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
             IE, SI, LT, LV, FI, RO, MK, CY, AL, TR
     JP 2005519998        T      20050707    JP 2004-515557         20020506
     US 2005124678        A1     20050609    US 2003-700661         20031103
PRIORITY APPLN. INFO.:                       US 2001-288660P     P  20010504

                                             WO 2002-US14255     W  20020506

                                             US 2002-139591      A2 20020814

                                             US 2002-423319P     P  20021101

                                             US 2002-425916P     P  20021113
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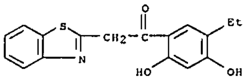
OTHER SOURCE(S): MARPAT 140:35893

AB Methods for identifying compound useful as anti-infectives that decrease resistance, virulence, or growth of microbes are provided. In one embodiment, the method comprises contacting a microbial cell comprising: (1) a selectable marker under the control of a transcription factor responsive element and (2) a transcription factor, with a compound under conditions which allow interaction of the compound with the microbial cell; and measuring the ability of the compound to affect the growth or survival of the microbial cell as an indication of whether the test compound modulates the activity of a transcription factor.

L3 ANSWER 43 OF 162 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

IT 222715-96-0
RL: PAC (Pharmacological activity); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(transcription factor modulating compds. as anti-infectives agents that decrease resistance and virulence and growth identified by determining marker under control of responsive element)

RN 222715-96-0 CAPLUS
CN Ethanone, 2-(2-benzothiazolyl)-1-(5-ethyl-2,4-dihydroxyphenyl)- (9CI) (CA INDEX NAME)



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L3   ANSWER 44 OF 162  CAPLUS  COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER:         2003:950834  CAPLUS
DOCUMENT NUMBER:          140:16975
TITLE:                    Preparation of peptides as hepatitis C virus
                          inhibitors
INVENTOR(S):              Wang, Xiangdong Alan; Sun, Li-Quang; Sit, Sing-Yuen;
                          Sin, Ny; Scola, Paul Michael; Hewawasam, Piyasena;
                          Good, Andrew Charles; Chen, Yan; Campbell, Jeffrey
                          Allen
PATENT ASSIGNEE(S):       Bristol-Myers Squibb Company, USA
SOURCE:                   PCT Int. Appl., 675 pp.
                          CODEN: PIXXD2
DOCUMENT TYPE:            Patent
LANGUAGE:                 English
FAMILY ACC. NUM. COUNT:   2
PATENT INFORMATION:

     PATENT NO.          KIND    DATE          APPLICATION NO.          DATE
     ---------------     ----    --------      --------------------     --------
     WO 2003099274        A1     20031204      WO 2003-US15755          20030520
         W:  AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,
             CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,
             GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR,
             LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM,
             PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT,
             TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
         RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY,
             KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES,
             FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR,
             BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG
     CA 2486308           A1     20031204      CA 2003-2486308          20030520
     AU 2003241510        A1     20031212      AU 2003-241510           20030520
     EP 1505963           A1     20050216      EP 2003-731248           20030520
         R:  AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
             IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK
     BR 2003011132        A      20050308      BR 2003-11132            20030520
     CN 1668297           A      20050914      CN 2003-817068           20030520
     JP 2005533028        T      20051104      JP 2004-506798           20030520
     NZ 536539            A      20070223      NZ 2003-536539           20030520
     RU 2298001           C2     20070427      RU 2004-137480           20030520
     CN 1974596           A      20070606      CN 2006-10168513         20030520
     CN 101024671         A      20070829      CN 2006-10168964         20030520
     NO 2004004807        A      20041216      NO 2004-4807             20041104
     ZA 2004009162        A      20060222      ZA 2004-9162             20041111
     IN 2004DN03576       A      20050401      IN 2004-DN3576           20041116
     MX 2004PA11440       A      20050214      MX 2004-PA11440          20041117
     AU 2006233207        A1     20061116      AU 2006-233207           20061026
     AU 2006233208        A1     20061116      AU 2006-233208           20061026
PRIORITY APPLN. INFO.:                         US 2002-382055P       P  20020520

                                               AU 2003-241510        A3 20030520

                                               CN 2003-817068        A3 20030520

                                               WO 2003-US15755       W  20030520
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L3   ANSWER 44 OF 162  CAPLUS  COPYRIGHT 2007 ACS on STN      (Continued)
OTHER SOURCE(S):          MARPAT 140:16975
GI


* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY -  AVAILABLE VIA OFFLINE PRINT *

AB   Peptides I [R1 = alkyl, cycloalkyl, alkylcycloalkyl; m, n = 1 or 2; R2 =
     H, (halo)alk(en)yl, (halo)cycloalkyl; R3 = (un)substituted alkyl or
     together with the carbon atom to which it is attached forms cycloalkyl
     optionally substituted by alkenyl; R4 = (un)substituted (hetero)aryl; X =
     O, S, SO, SO2, OCH2, CH2O, NH; Y = H, (nitro)pyridyl, (nitro)phenyl,
alkyl
     optionally substituted with cyano, OH, or cycloalkyl; B = H, alkyl, acyl,
     (thio)carbamoyl, sulfonyl, or sulfamoyl groups (with provisos)] or their
     pharmaceutically-acceptable salts or prodrugs were prepared for the
     treatment of hepatitis C virus (HCV) infection.  Thus, compound II (Boc =
     tert-butoxycarbonyl) was prepared by a multistep procedure and assayed
for
     inhibition of HCV NS3/4A protease (IC50 and EC50 < 0.1 µM).
IT   630422-15-0P
     RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT
     (Reactant or reagent)
        (preparation of peptides as hepatitis C virus inhibitors)
RN   630422-15-0  CAPLUS
CN   Benzamide, N,N-diethyl-4-methoxy-2-[2-oxo-2-(2-thiazolyl)ethyl]-  (CA
     INDEX NAME)
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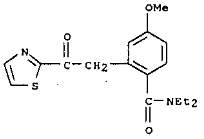

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REFERENCE COUNT:           1     THERE ARE 1 CITED REFERENCES AVAILABLE FOR THIS
                                 RECORD. ALL CITATIONS AVAILABLE IN THE RE
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L3   ANSWER 45 OF 162  CAPLUS  COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER:         2003:648255  CAPLUS
DOCUMENT NUMBER:          139:197768
TITLE:                    Preparation of macrocyclic peptides active against
the
                          hepatitis C virus
INVENTOR(S):              Tsantrizos, Youla S.; Cameron, Dale R.; Faucher,
                          Anne-Marie; Ghiro, Elise; Goudreau, Nathalie; Halmos,
                          Teddy; Llinas-Brunet, Montse
PATENT ASSIGNEE(S):       Boehringer Ingelheim (Canada) Ltd., Can.
SOURCE:                   U.S., 90 pp., Cont.-in-part of U.S. Ser. No. 542,675,
                          abandoned.
                          CODEN: USXXAM
DOCUMENT TYPE:            Patent
LANGUAGE:                 English
FAMILY ACC. NUM. COUNT:   2
PATENT INFORMATION:

     PATENT NO.          KIND    DATE          APPLICATION NO.          DATE
     ---------------     ----    --------      --------------------     --------
     US 6608027           B1     20030819      US 2001-760946           20010116
     EP 1437362           A1     20040714      EP 2004-9264             20000403
         R:  AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
             IE, SI, LT, LV, FI, RO, CY
     US 2004002448        A1     20040101      US 2003-358726           20030205
PRIORITY APPLN. INFO.:                         US 1999-128011P       P  19990406

                                               US 2000-542675        B2 20000403

                                               EP 2000-913999        A3 20000403

                                               US 2001-760946        A1 20010116

OTHER SOURCE(S):          MARPAT 139:197768
GI
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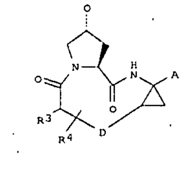

I

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AB   Macrocyclic peptides I [W = CH or N; R21 = H, halo, alkyl, cycloalkyl,
     haloalkyl, alkoxy, cycloalkoxy, hydroxy, or an amino group; R22 = H,
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L3   ANSWER 45 OF 162  CAPLUS  COPYRIGHT 2007 ACS on STN      (Continued)
     alkyl, cycloalkyl, haloalkyl, thioalkyl, alkoxy, cycloalkoxy,
alkoxyalkyl,
     cycloalkyl, aryl or heteroaryl; R3 = hydroxy, NH2, aryl- or
     heteroarylamino, NHCOR32, CONHR32, CO2R32, where R32 is alkyl or
     cycloalkyl; D is a 5 to 10-atom satd. or unsatd. alkylene chain
optionally
     contg. one to three heteroatoms independently selected from: O, S, or NH
     or substituted imino; R4 = H or from one to three substituents at any
     carbon atom of chain D; A is an amide or carboxylic acid group or a
     pharmaceutically acceptable salt or ester; two diastereomers may exist at
     the cyclopropane moiety] were prepd. which are active in-vitro and in
     cellular assays against the NS3 protease of the hepatitis C virus.  Thus,
     macrocyclic peptide I [W = N; R21, R22, R4 = H; A = CO2H; R3CH-D =
     (S)-(Me3CO2CNH)CH(CH2)3CH:CH(CH2)2-E (syn to acid)] was prepd. and showed
     IC50 > 0.1 µM in the full-length NS3-NS4A heterodimer protein
     fluorogenic assay.
IT   300831-07-6P
     RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT
     (Reactant or reagent)
        (preparation of macrocyclic peptides active against the hepatitis C
virus)
RN   300831-07-6  CAPLUS
CN   2-Thiazolecarboxamide, N-(2-acetyl-5-methoxyphenyl)-4-(1-methylethyl)-
     (9CI)  (CA INDEX NAME)
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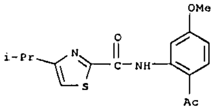

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REFERENCE COUNT:           50    THERE ARE 50 CITED REFERENCES AVAILABLE FOR
THIS
                                 RECORD. ALL CITATIONS AVAILABLE IN THE RE
FORMAT
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L3   ANSWER 46 OF 162  CAPLUS  COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER:         2003:511084  CAPLUS
DOCUMENT NUMBER:          139:69527
TITLE:                    Preparation of macrocyclic compounds as inhibitors of
                          hepatitis C virus
INVENTOR(S):              Campbell, Jeffrey Allen; Good, Andrew Charles
PATENT ASSIGNEE(S):       Bristol-Myers Squibb Company, USA
SOURCE:                   PCT Int. Appl., 225 pp.
                          CODEN: PIXXD2
DOCUMENT TYPE:            Patent
LANGUAGE:                 English
FAMILY ACC. NUM. COUNT:   1
PATENT INFORMATION:

     PATENT NO.          KIND   DATE       APPLICATION NO.        DATE
     ---------------     ----   --------   --------------------   --------
     WO 2003053349        A2    20030703   WO 2002-US39926        20021213
     WO 2003053349        A3    20040115
         W:  AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,
             CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,
             GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR,
             LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH,
             PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ,
             UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW
         RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY,
             KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES,
             FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SI, SK, TR, BF, BJ,
             CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG
     US 2004038872        A1    20040226   US 2002-317451         20021212
     US 6867185           B2    20050315
     AU 2002360592        A1    20030709   AU 2002-360592         20021213
     EP 1455809           A2    20040915   EP 2002-795860         20021213
         R:  AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
             IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, SK
PRIORITY APPLN. INFO.:                     US 2001-344080P     P  20011220

                                           US 2002-382103P     P  20020520

                                           WO 2002-US39926     W  20021213

OTHER SOURCE(S):          MARPAT 139:69527
GI


* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY -  AVAILABLE VIA OFFLINE PRINT *

AB   The invention relates to macrocyclic compds. I [R1 = (cyclo)alkyl; R2 =
H,
     halo, alkyl, alkoxy, cycloalkoxy, (un)substituted aryl or heterocyclyl;
R3
     = H, halo, CF3, alkoxy, cycloalkoxy; R4 = NH2 or NHR6, where R6 is
     alkanoyl, alkylaminocarbonyl, or carbalkoxy; Q is a 3-9 atom
(un)saturated
     alkylene chain optionally containing 1-3 heteroatoms O, S, SO, or SO2],
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L3   ANSWER 47 OF 162  CAPLUS  COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER:         2003:485887  CAPLUS
DOCUMENT NUMBER:          139:261143
TITLE:                    Synthesis and biological activities of
                          1-pyridylisoquinoline and
1-pyridyldihydroisoquinoline
                          derivatives as PDE4 inhibitors
AUTHOR(S):                Ukita, Tatsuzo; Sugahara, Masakatsu; Terakawa,
                          Yoshihiro; Kuroda, Tooru; Wada, Kazuteru; Nakata,
Aya;
                          Kikkawa, Hideo; Ikezawa, Katsuo; Naito, Kazuaki
CORPORATE SOURCE:         Discovery Research Laboratory, Tanabe Seiyaku Co.,
                          Ltd., 3-16-89, Kashima, Yodogawa, Osaka, 532-8505,
                          Japan
SOURCE:                   Bioorganic & Medicinal Chemistry Letters (2003),
                          13(14), 2347-2350
                          CODEN: BMCLE8; ISSN: 0960-894X
PUBLISHER:                Elsevier Science B.V.
DOCUMENT TYPE:            Journal
LANGUAGE:                 English
OTHER SOURCE(S):          CASREACT 139:261143
AB   A novel series of 1-pyridylisoquinoline and 1-pyridyldihydroisoquinoline
     derivs. has been prepared  These compds. showed potent PDE4 inhibitory
     activities and a broad margin between the Ki value of the rolipram
binding
     affinity and the IC50 value of PDE4 inhibition.  They also exhibited
     potent inhibitory activities toward LPS-induced TNF-α production in
     mice.
IT   137382-37-7
     RL: RCT (Reactant); RACT (Reactant or reagent)
        (in preparation of quinoline derivative)
RN   137382-37-7  CAPLUS
CN   Benzoic acid, 2-(2-thiazolylcarbonyl)- (9CI)  (CA INDEX NAME)
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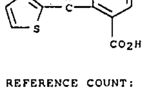

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REFERENCE COUNT:          27    THERE ARE 27 CITED REFERENCES AVAILABLE FOR
THIS
                                RECORD. ALL CITATIONS AVAILABLE IN THE RE
FORMAT
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L3   ANSWER 46 OF 162  CAPLUS  COPYRIGHT 2007 ACS on STN     (Continued)
     including methods for their synthesis and use in pharmaceutical compns.
     for therapeutic or prophylactic prevention or treatment of hepatitis C
     virus (HCV) infection.  Thus,
3,13-diazatricyclo[11.3.0.04,6]hexadec-7-ene
     deriv. II was prepd. by a multistep procedure and assayed for inhibition
     of HCV NS3/4A protease (IC50 < 5 µM).
IT   300831-07-6P
     RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT
     (Reactant or reagent)
        (preparation of macrocyclic compds. as inhibitors of hepatitis C
virus)
RN   300831-07-6  CAPLUS
CN   2-Thiazolecarboxamide, N-(2-acetyl-5-methoxyphenyl)-4-(1-methylethyl)-
     (9CI)  (CA INDEX NAME)
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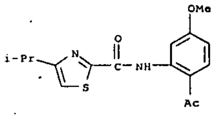

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L3   ANSWER 48 OF 162  CAPLUS  COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER:         2003:434363  CAPLUS
DOCUMENT NUMBER:          139:22205
TITLE:                    Preparation of benzothiazole derivatives as adenosine
                          receptor ligands
INVENTOR(S):              Flohr, Alexander; Jakob-Roetne, Roland; Norcross,
                          Roger David; Riemer, Claus
PATENT ASSIGNEE(S):       F. Hoffmann-La Roche A.-G., Switz.
SOURCE:                   PCT Int. Appl., 42 pp.
                          CODEN: PIXXD2
DOCUMENT TYPE:            Patent
LANGUAGE:                 English
FAMILY ACC. NUM. COUNT:   1
PATENT INFORMATION:

     PATENT NO.          KIND   DATE       APPLICATION NO.        DATE
     ---------------     ----   --------   --------------------   --------
     WO 2003045385        A1    20030605   WO 2002-EP12907        20021118
         W:  AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,
             CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,
             GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR,
             LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH,
             PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ,
             UA, UG, UZ, VN, YU, ZA, ZM, ZW
         RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY,
             KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES,
             FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR, BF, BJ, CF,
             CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG
     CA 2467825           A1    20030605   CA 2002-2467825        20021118
     AU 2002352045        A1    20030610   AU 2002-352045         20021118
     US 6596718           B1    20030722   US 2002-298347         20021118
     EP 1450796           A1    20040901   EP 2002-787718         20021118
         R:  AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
             IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, SK
     BR 2002014455        A     20041103   BR 2002-14455          20021118
     JP 2005526007        T     20050902   JP 2003-546887         20021118
     CN 1731999           A     20060208   CN 2002-823604         20021118
     RU 2293083           C2    20070210   RU 2004-119438         20021118
     MX 2004PA04982       A     20040811   MX 2004-PA4982         20040525
PRIORITY APPLN. INFO.:                     EP 2001-127442      A  20011127

                                           WO 2002-EP12907     W  20021118

OTHER SOURCE(S):          MARPAT 139:22205
GI
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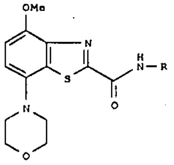


I

AB Title compds. I [R = H, (alkyl)phenyl, (alkyl)pyridinyl, etc.] are prepared

For instance, chloroacetamide is reacted with sulfur (DMF, 15 h, room temperature) and then treated with [2-methoxy-5-[morpholin-4-yl]phenyl]amine to give 2-[[2-Methoxy-5-[morpholin-4-yl]phenyl]amino]-2-thioxoacetamide. This intermediate is treated with NaOH/$K_3Fe(CN)_6$ (water, 50°, 30 min) to give I [R = H; II]. II has pKi = 5.4 for the adenosine A1 receptor and pKi = 7.6 for the adenosine A2a receptor.

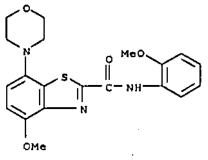
IT 538327-47-8P, 4-Methoxy-7-morpholin-4-ylbenzothiazole-2-carboxylic acid N-[2-methoxyphenyl]amide 538327-51-4P, 4-Methoxy-7-morpholin-4-ylbenzothiazole-2-carboxylic acid N-[2-chlorobenzyl]amide 538327-56-9P, 4-Methoxy-7-morpholin-4-ylbenzothiazole-2-carboxylic acid N-[2-fluorobenzyl]amide 538327-60-5P, 4-Methoxy-7-morpholin-4-ylbenzothiazole-2-carboxylic acid N-[2-methoxybenzyl]amide 538327-86-5P, 4-Methoxy-7-morpholin-4-ylbenzothiazole-2-carboxylic acid N-[2-[2-methoxyphenyl]ethyl]amide 538327-96-7P, 4-Methoxy-7-morpholin-4-ylbenzothiazole-2-carboxylic acid N-[2-[2-fluorophenyl]ethyl]amide 538328-01-7P, 4-Methoxy-7-morpholin-4-ylbenzothiazole-2-carboxylic acid N-[2-[2-chlorophenyl]ethyl]amide 538328-13-1P, 4-Methoxy-7-morpholin-4-ylbenzothiazole-2-carboxylic acid N-[2-[o-tolyl]ethyl]amide

RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of benzothiazole derivs. as adenosine receptor ligands)

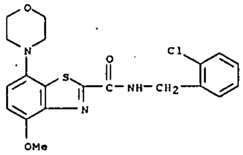
RN 538327-47-8 CAPLUS

CN 2-Benzothiazolecarboxamide, 4-methoxy-N-(2-methoxyphenyl)-7-(4-morpholinyl)- (CA INDEX NAME)



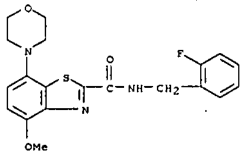
RN 538327-51-4 CAPLUS

CN 2-Benzothiazolecarboxamide, N-[(2-chlorophenyl)methyl]-4-methoxy-7-(4-morpholinyl)- (CA INDEX NAME)



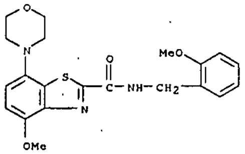
RN 538327-56-9 CAPLUS

CN 2-Benzothiazolecarboxamide, N-[(2-fluorophenyl)methyl]-4-methoxy-7-(4-morpholinyl)- (CA INDEX NAME)



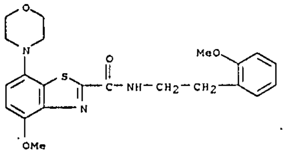
RN 538327-60-5 CAPLUS

CN 2-Benzothiazolecarboxamide, 4-methoxy-N-[(2-methoxyphenyl)methyl]-7-(4-morpholinyl)- (CA INDEX NAME)



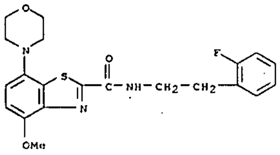
RN 538327-86-5 CAPLUS

CN 2-Benzothiazolecarboxamide, 4-methoxy-N-[2-(2-methoxyphenyl)ethyl]-7-(4-morpholinyl)- (CA INDEX NAME)



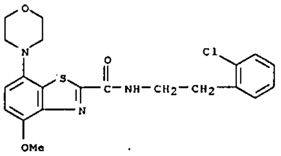
RN 538327-96-7 CAPLUS

CN 2-Benzothiazolecarboxamide, N-[2-(2-fluorophenyl)ethyl]-4-methoxy-7-(4-morpholinyl)- (CA INDEX NAME)



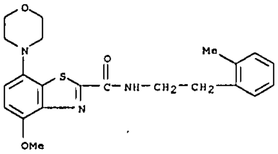
RN 538328-01-7 CAPLUS

CN 2-Benzothiazolecarboxamide, N-[2-(2-chlorophenyl)ethyl]-4-methoxy-7-(4-morpholinyl)- (CA INDEX NAME)



RN 538328-13-1 CAPLUS

CN 2-Benzothiazolecarboxamide, 4-methoxy-N-[2-(2-methylphenyl)ethyl]-7-(4-morpholinyl)- (CA INDEX NAME)



REFERENCE COUNT: 1 THERE ARE 1 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

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L3   ANSWER 49 OF 162  CAPLUS  COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER:         2003:405838  CAPLUS
DOCUMENT NUMBER:          139:230669
TITLE:                    Reactivity of 2-methyl thioisomunchnone with acid
                          chlorides
AUTHOR(S):                Avalos, Martin; Babiano, Reyes; Cintas, Pedro; Diaz,
                          Jesus; Hursthouse, Michael B.; Jimenez, Jose L.;
                          Light, Mark E.; Lopez, Ignacio; Palacios, Juan C.
CORPORATE SOURCE:         Facultad de Ciencias, Departamento de Quimica
                          Organica, Universidad de Extremadura, Badajoz,
                          E-06071, Spain
SOURCE:                   Tetrahedron Letters (2003), 44(25), 4657-4660
                          CODEN: TELEAY; ISSN: 0040-4039
PUBLISHER:                Elsevier Science Ltd.
DOCUMENT TYPE:            Journal
LANGUAGE:                 English
OTHER SOURCE(S):          CASREACT 139:230669
AB   This work describes the reactivity of 2-alkyl thioisomunchnones,
     exemplified here by the 2-Me derivative, which behaves as nucleophile in
the
     presence of both aliphatic and aromatic acid chlorides to give
2-heteroaryl
     ketones or 2-heteroaryl-1,3-diketones, resp.  However, 2-alkyl
     thioisomunchnones exhibit its characteristic 1,3-dipole behavior toward
     unsatd. systems.
IT   595570-22-2P
     RL: SPN (Synthetic preparation); PREP (Preparation)
        (preparation of 2-heteroaryl ketones or 2-heteroaryl-1,3-diketones via
        cycloaddn. of aliphatic and aromatic acid chlorides with 2-Me
        thioisomunchnone)
RN   595570-22-2  CAPLUS
CN   Thiazolium, 2-[1-(2-fluorobenzoyl)-2-(2-fluorophenyl)-2-oxoethyl]-4-
     hydroxy-3,5-diphenyl-, inner salt  (CA INDEX NAME)
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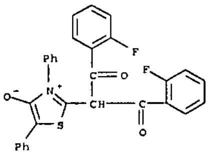

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REFERENCE COUNT:         20        THERE ARE 20 CITED REFERENCES AVAILABLE FOR
THIS
                                   RECORD. ALL CITATIONS AVAILABLE IN THE RE
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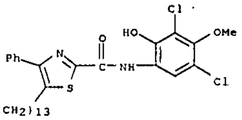
L3   ANSWER 50 OF 162  CAPLUS  COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER:         2003:129347  CAPLUS
DOCUMENT NUMBER:          138:178159
TITLE:                    Infrared couplers for incorporating and recovering
                          metadata
INVENTOR(S):              Begley, William J.; Russo, Gary M.
PATENT ASSIGNEE(S):       Eastman Kodak Company, USA
SOURCE:                   U.S., 21 pp.
                          CODEN: USXXAM
DOCUMENT TYPE:            Patent
LANGUAGE:                 English
FAMILY ACC. NUM. COUNT:   1
PATENT INFORMATION:

     PATENT NO.          KIND   DATE       APPLICATION NO.          DATE
     ---------------     ----   --------   --------------------     --------
     US 6521395           B1    20030218   US 2002-60498            20020130
     EP 1333321           A1    20030806   EP 2003-75172            20030120
         R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
             IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK
     JP 2003262942        A     20030919   JP 2003-20687            20030129
PRIORITY APPLN. INFO.:                     US 2002-60498         A  20020130

OTHER SOURCE(S):          MARPAT 138:178159
AB   This invention relates to a silver halide photog. element containing a
     phenolic IR dye-forming coupler bearing in the 2-position either a
     benzamido group substituted with a sulfonyl group or a heterocyclic
     carbonamido group, and bearing in the 5-position a non-carbonamido group,
     which element is useful for incorporating and recovering metadata, such
as
     sound data, into a photog. image and is specifically concerned with the
     incorporation of non-visually perceptible sound information into a
     photograph.
IT   497259-17-3 497259-19-5
     RL: TEM (Technical or engineered material use); USES (Uses)
        (photog. IR couplers for incorporating and recovering metadata)
RN   497259-17-3  CAPLUS
CN   2-Thiazolecarboxamide,
N-(3,5-dichloro-2-hydroxy-4-methoxyphenyl)-4-phenyl-
     5-tetradecyl-  (CA INDEX NAME)
```



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RN   497259-19-5  CAPLUS
CN   2-Thiazolecarboxamide,
N-(3,5-dichloro-4-ethyl-2-hydroxyphenyl)-4-phenyl-5-
     tetradecyl-  (CA INDEX NAME)
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L3   ANSWER 50 OF 162  CAPLUS  COPYRIGHT 2007 ACS on STN     (Continued)
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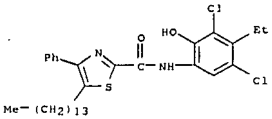

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REFERENCE COUNT:         6         THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS
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L3   ANSWER 51 OF 162  CAPLUS  COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER:         2003:58069  CAPLUS
DOCUMENT NUMBER:          138:122639
TITLE:                    Preparation of thiazols and related compounds as
                          telomerase inhibitors
INVENTOR(S):              Priepke, Henning; Kauffmann-Hefner, Iris; Hauel,
                          Norbert; Damm, Klaus; Schnapp, Andreas
PATENT ASSIGNEE(S):       Boehringer Ingelheim Pharma K.-G., Germany
SOURCE:                   PCT Int. Appl., 88 pp.
                          CODEN: PIXXD2
DOCUMENT TYPE:            Patent
LANGUAGE:                 German
FAMILY ACC. NUM. COUNT:   1
PATENT INFORMATION:

     PATENT NO.          KIND   DATE       APPLICATION NO.          DATE
     ---------------     ----   --------   --------------------     --------
     WO 2003006443        A2    20030123   WO 2002-EP7558           20020706
     WO 2003006443        A3    20030501
         W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,
             CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,
             GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR,
             LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH,
             PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ,
             UA, UG, US, UZ, VN, YU, ZA, ZM, ZW
         RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY,
             KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES,
             FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR, BF, BJ, CF,
             CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG
     DE 10133665          A1    20030130   DE 2001-10133665         20010711
     AU 2002328323        A1    20030129   AU 2002-328323           20020706
     US 2003055263        A1    20030320   US 2002-192456           20020710
PRIORITY APPLN. INFO.:                     DE 2001-10133665      A  20010711

                                           US 2001-307449P       P  20010724

                                           WO 2002-EP7558        W  20020706

OTHER SOURCE(S):          MARPAT 138:122639
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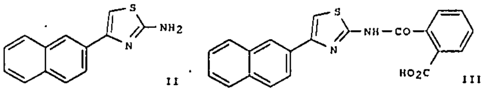

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AB   Title compds. R1-A-B-R2 (I) [ R1 = (un)substituted Ph, phenylalkyl,
     phenylalkenyl, etc.; A = (un)substituted phenylalkyl; B = HN, NHCO, CONH,
     etc.; R2 = CO2, (un)substituted cycloalkyl, cycloalkenyl, etc.] and their
     pharmaceutically acceptable salts were prepared  For example, coupling of
     thiazol II and phthalic anhydride afforded claimed benzoic acid III in
30%
     yield.  In telomerase inhibition studies, 3-specific examples of I
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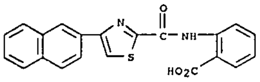
exhibited IC50 values ranging from < 1 - < 5 µM, e.g., IC50 value of compd. III was < 5 µM. Compds. I are claimed useful as telomerase inhibitors.

IT 488815-86-7P 488815-87-8P 488815-88-9P
488816-50-8P
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(drug candidate; preparation of thiazols and related compds. as telomerase inhibitors)

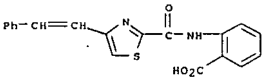
RN 488815-86-7 CAPLUS

CN Benzoic acid, 2-[[[4-(2-naphthalenyl)-2-thiazolyl]carbonyl]amino]- (CA INDEX NAME)



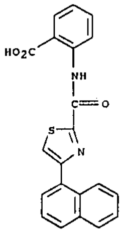
RN 488815-87-8 CAPLUS

CN Benzoic acid, 2-[[[4-(2-phenylethenyl)-2-thiazolyl]carbonyl]amino]- (CA INDEX NAME)



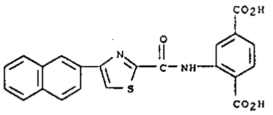
RN 488815-88-9 CAPLUS

CN Benzoic acid, 2-[[[4-(1-naphthalenyl)-2-thiazolyl]carbonyl]amino]- (CA INDEX NAME)



RN 488816-50-8 CAPLUS

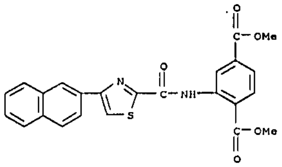
CN 1,4-Benzenedicarboxylic acid, 2-[[[4-(2-naphthalenyl)-2-thiazolyl]carbonyl]amino]- (CA INDEX NAME)



IT 488817-08-9
RL: RCT (Reactant); RACT (Reactant or reagent)
(preparation of thiazols and related compds. as telomerase inhibitors)

RN 488817-08-9 CAPLUS

CN 1,4-Benzenedicarboxylic acid, 2-[[[4-(2-naphthalenyl)-2-thiazolyl]carbonyl]amino]-, dimethyl ester (9CI) (CA INDEX NAME)



L3 ANSWER 52 OF 162 CAPLUS COPYRIGHT 2007 ACS on STN

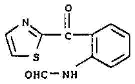
ACCESSION NUMBER:	2002:861062 CAPLUS
DOCUMENT NUMBER:	139:197300
TITLE:	Product class 13: indole and its derivatives
AUTHOR(S):	Joule, J. A.
CORPORATE SOURCE:	Department of Chemistry, University of Manchester, Manchester, M13 9PL, UK
SOURCE:	Science of Synthesis (2001), 10, 361-652 CODEN: SSCYJ9
PUBLISHER:	Georg Thieme Verlag
DOCUMENT TYPE:	Journal; General Review
LANGUAGE:	English

AB A review of preparation of indoles and its derivs. Covered reactions include cyclization, ring transformation, aromatization and substituent modifications. Subclasses covered include 1H-indol-1-ols, 1,3-dihydro-2H-indol-2-ones, and 1,2-dihydro-3H-indol-3-ones.

IT 161988-57-4
RL: RCT (Reactant); RACT (Reactant or reagent)
(preparation of indoles and analogs thereof via cyclization, ring transformation, aromatization and substituent modifications)

RN 161988-57-4 CAPLUS

CN Formamide, N-[2-(2-thiazolylcarbonyl)phenyl]- (9CI) (CA INDEX NAME)



REFERENCE COUNT: 1348 THERE ARE 1348 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

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L3   ANSWER 53 OF 162  CAPLUS  COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER:         2002:835624  CAPLUS
DOCUMENT NUMBER:          139:6779
TITLE:                    Product class 17: thiazoles
AUTHOR(S):                Kikelj, D.; Urleb, U.
CORPORATE SOURCE:         Fac. Pharm., University Ljubljana, Slovenia
SOURCE:                   Science of Synthesis (2002), 11, 627-833
                          CODEN: SSCYJ9
PUBLISHER:                Georg Thieme Verlag
DOCUMENT TYPE:            Journal; General Review
LANGUAGE:                 English
AB   A review of synthetic methods to prepare thiazoles as well as reactive
     modifications of thiazole moieties.
IT   194491-59-3P
     RL: SPN (Synthetic preparation); PREP (Preparation)
        (preparation of thiazoles and reactions thereof)
RN   194491-59-3  CAPLUS
CN   Methanone, (2,4-difluorophenyl)[4-(2,4-difluorophenyl)-2-thiazolyl]-
(9CI)
       (CA INDEX NAME)
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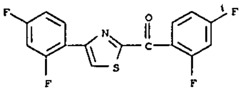

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REFERENCE COUNT:          1224  THERE ARE 1224 CITED REFERENCES AVAILABLE FOR
                                THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE
                                FORMAT
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L3   ANSWER 54 OF 162  CAPLUS  COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER:         2002:814087  CAPLUS
DOCUMENT NUMBER:          137:325234
TITLE:                    Preparation of aminophenyl (hetero)aryl ketones as
p38
                          MAP kinase inhibitors for treatment of inflammatory
                          diseases or conditions
INVENTOR(S):              Havez, Sophie Elisabeth
PATENT ASSIGNEE(S):       Leo Pharma A/S, Den.
SOURCE:                   PCT Int. Appl., 69 pp.
                          CODEN: PIXXD2
DOCUMENT TYPE:            Patent
LANGUAGE:                 English
FAMILY ACC. NUM. COUNT:   1
PATENT INFORMATION:

     PATENT NO.          KIND    DATE        APPLICATION NO.         DATE
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     WO 2002083622        A2     20021024    WO 2002-DK236           20020410
     WO 2002083622        A3     20031113
         W:  AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,
             CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,
             GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR,
             LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH,
             PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ,
             UA, UG, US, UZ, VN, YU, ZA, ZM, ZW
         RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY,
             KG, KZ, MD, RU, TJ, TM, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB,
             GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA,
             GN, GQ, GW, ML, MR, NE, SN, TD, TG
     AU 2002338286        A1     20021028    AU 2002-338286          20020410
     US 2003073832        A1     20030417    US 2002-118942          20020410
PRIORITY APPLN. INFO.:                       US 2001-282494P      P  20010410

                                             WO 2002-DK236        W  20020410

OTHER SOURCE(S):          MARPAT 137:325234
GI
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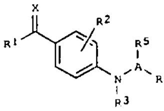

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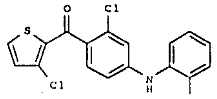

II

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AB   Title compds. I [wherein R1 = (un)substituted heteroaryl; X = O, S,
N(OH),
     or NR8; R8 = H or alkyl; R2 = H, halo(alkyl), hydroxy(alkyl), SH, CN,
NO2,
     (cyclo)alkyl, alkenyl, alkynyl, aralkyl, alkylaryl, (ar)alkoxy,
alkylthio,
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L3   ANSWER 54 OF 162  CAPLUS  COPYRIGHT 2007 ACS on STN      (Continued)
     alkoxycarbonyl, alkylcarbonylamino, alkylcarboxy, alkylcarbonyl, NR6R7,
or
     CONR6R7; R3 = H, (cyclo)alkyl, (cyclo)alkenyl, alkynyl, CO2H, or aryl; A
=
     (hetero)aryl; R4 = H, halo(alkyl), hydroxy(alkyl), SH, CN, CO2H, NO2,
     (cyclo)alkyl, (cyclo)alkenyl, alkynyl, heterocycloalkyl, (hetero)aryl,
     aralkyl, alkylaryl, (ar)alkoxy, alkylthio, alkoxycarbonyl,
     alkylcarbonylamino, aminocarboaminoalkyl, aminosulfonyl,
     alkylsulfonylamino, alkylcarboxy, alkoxycarboxy, alkylsulfonyloxy,
     alkoxysulfonyl, alkylcarbonyl, NR6R7, or CONR6R7; R5 = H, halo(alkyl),
     hydroxy(alkyl), SH, CN, CO2H, carbamoyl, NH2, NO2, (cyclo)alkyl,
     (cyclo)alkenyl, alkynyl, heterocycloalkyl, (hetero)aryl, aralkyl,
     alkylaryl, (ar)alkoxy, alkylthio, alkoxycarbonyl, alkylcarbonylamino,
     aminocarboaminoalkyl, aminosulfonyl, alkylsulfonylamino, alkylcarboxy,
     alkoxycarboxy, alkylsulfonyloxy, alkoxysulfonyl, alkylcarbonyl, NR6R7, or
     CONR6R7; R6 and R7 = independently H, alkyl, aryl, etc.; or
     pharmaceutically acceptable salts, hydrates, solvates, or esters thereof]
     were prepd. as inhibitors of MAP kinases, in particular the p38 MAP
     kinase.  For example, 2-bromo-3-chlorothiophene was coupled with
     2-chloro-4-nitrobenzoyl chloride to give 2-chloro-4-nitrophenyl
     3-chloro-2-thienyl ketone (44%), which was reduced to the amine (95%).
     Addn. of 2-bromotoluene afforded II (31%).  The latter displayed potent
     inhibitory activity against p38α MAP kinase with IC50 of 93.3 nM and
     inhibited prodn. of IL-1β, TNF-α, and PMN-superoxide with IC50
     values of 72 nM, 17 nM, and 6.3 nM, resp.  Thus, I and compns. of I with
     other active components are useful as antiinflammatory agents in the
     prophylaxis or treatment of inflammatory diseases or conditions (no
data).
IT   473423-21-1P, [4-(2-Tolylamino)-2-chlorophenyl](4,5-dimethyl-2-
     thiazolyl]ketone
     RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU
     (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES
     (Uses)
        (p38 MAP kinase inhibitor; preparation of aminophenyl (hetero)aryl
ketones
        as p38 MAP kinase inhibitors by coupling (halo)heterocycles with
        nitrobenzoyl chlorides followed by reduction)
RN   473423-21-1  CAPLUS
CN   Methanone, [2-chloro-4-[(2-methylphenyl)amino]phenyl](4,5-dimethyl-2-
     thiazolyl)-  (CA INDEX NAME)
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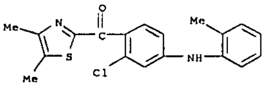

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L3   ANSWER 55 OF 162  CAPLUS  COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER:         2002:754368  CAPLUS
DOCUMENT NUMBER:          137:263026
TITLE:                    Process for producing 3-oxo-2-(2-
                          thiazolyl)propanenitriles
INVENTOR(S):              Yagihara, Tomio; Suzuki, Tatsumi
PATENT ASSIGNEE(S):       Nippon Soda Co., Ltd., Japan
SOURCE:                   PCT Int. Appl., 24 pp.
                          CODEN: PIXXD2
DOCUMENT TYPE:            Patent
LANGUAGE:                 Japanese
FAMILY ACC. NUM. COUNT:   1
PATENT INFORMATION:

     PATENT NO.          KIND    DATE        APPLICATION NO.         DATE
     ---------------     ----    --------    --------------------    --------
     WO 2002076962        A1     20021003    WO 2002-JP2703          20020320
         W:  AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,
             CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,
             GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR,
             LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH,
             PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ,
             UA, UG, US, UZ, VN, YU, ZA, ZM, ZW
         RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH,
             CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR,
             BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG
     AU 2002239006        A1     20021008    AU 2002-239006          20020320
PRIORITY APPLN. INFO.:                       JP 2001-84214        A  20010323

                                             WO 2002-JP2703       W  20020320

OTHER SOURCE(S):          CASREACT 137:263026; MARPAT 137:263026
GI
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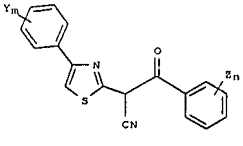

I

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AB   Title compds. I (Z = nitro, cyano, etc.; Y = halo, alkyl, etc.; R = H,
     alkyl, etc.; n, m = an integer of 0 to 5), useful as intermediates for
     insecticides and acaricides, are prepared  Thus, reaction of
     2-cyano-3-oxo-[2-(trifluoromethyl)phenyl]dithiopropanoic acid Me ester
     with 2,6-difluorophenacyl bromide in MeCN in the presence of NaHCO3 gave
     66.3% 2-(2-trifluoromethylbenzoyl)-3-(2,6-difluorobenzoylmethylthio)-3-
     methylthioacrylonitrile, ammonolysis of which gave 60%
     3-oxo-2-[4-(2,6-difluorophenyl)-1,3-thiazo-2-yl]-3-[2-
     (trifluoromethyl)phenyl]propanenitrile.
IT   374638-28-5P
     RL: IMF (Industrial manufacture); SPN (Synthetic preparation); PREP
     (Preparation)
        (preparation of 3-oxo-2-(2-thiazolyl)propanenitriles)
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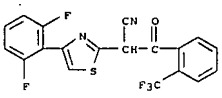
L3 ANSWER 55 OF 162 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)
RN 374638-28-5 CAPLUS
CN 2-Thiazoleacetonitrile, 4-(2,6-difluorophenyl)-α-[2-(trifluoromethyl)benzoyl]- (CA INDEX NAME)



REFERENCE COUNT: 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 56 OF 162 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2002:695955 CAPLUS
DOCUMENT NUMBER: 137:232650
TITLE: Preparation of nitrogen-containing heteroaryl compounds having HIV integrase inhibitory activity
INVENTOR(S): Fuji, Masahiro; Mikamiyama, Hidenori; Murai, Hitoshi
PATENT ASSIGNEE(S): Shionogi & Co., Ltd., Japan
SOURCE: PCT Int. Appl., 316 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

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PATENT NO.          KIND   DATE       APPLICATION NO.        DATE
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WO 2002070486        A1    20020912   WO 2002-JP1778         20020227
    W:  AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,
        CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,
        GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KR, KZ, LC, LK, LR, LS,
        LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL,
        PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA,
        UG, US, UZ, VN, YU, ZA, ZM, ZW
    RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH,
        CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR,
        BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG
CA 2439666           A1    20020912   CA 2002-2439666        20020227
AU 2002234901        A1    20020919   AU 2002-234901         20020227
EP 1375486           A1    20040102   EP 2002-701583         20020227
    R:  AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
        IE, SI, LT, LV, FI, RO, MK, CY, AL, TR
BR 2002007809        A     20040309   BR 2002-7809           20020227
JP 3616628           B2    20050202   JP 2002-569806         20020227
CN 1659143           A     20050824   CN 2002-808921         20020227
HU 2004000175        A2    20070730   HU 2004-175            20020227
ZA 2003006113        A     20040810   ZA 2003-6113           20030807
US 2004127708        A1    20040701   US 2003-469364         20030818
US 7148237           B2    20061212
IN 2003CN01325       A     20051125   IN 2003-CN1325         20030822
MX 2003PA07765       A     20031208   MX 2003-PA7765         20030828
NO 2003003848        A     20031030   NO 2003-3848           20030829
JP 2004175807        A     20040624   JP 2004-27473          20040204
US 2006293334        A1    20061228   US 2006-500387         20060808
PRIORITY APPLN. INFO.:                JP 2001-57037       A  20010301

                                      JP 2001-243530      A  20010810

                                      JP 2001-395022      A  20011226

                                      JP 2002-569806      A3 20020227

                                      WO 2002-JP1778      W  20020227

                                      US 2003-469364      A3 20030818
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OTHER SOURCE(S): MARPAT 137:232650

L3 ANSWER 56 OF 162 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)
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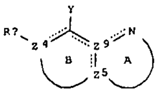
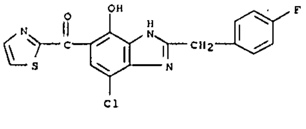
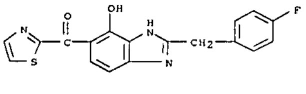


I

AB The title compds. I [rings A and B are fused N-containing heterocyclic rings; Z4, Z5 and Z9 independently represent each carbon or nitrogen; Y represents hydroxy, mercapto or amino; and RA represents nitrogen-containing heteroaryl, etc.] are prepared Compds. of this invention in vitro showed IC50 values of 0.11 μg/mL to 0.76 μg/mL against HIV integrase. Formulations are given.
IT 457945-28-7P 457945-29-8P 457945-30-1P 457945-31-2P
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of nitrogen-containing heteroaryl compds. having HIV integrase inhibitory activity)
RN 457945-28-7 CAPLUS
CN Methanone, [7-chloro-2-[(4-fluorophenyl)methyl]-4-hydroxy-1H-benzimidazol-5-yl]-2-thiazolyl- (CA INDEX NAME)



RN 457945-29-8 CAPLUS
CN Methanone, [2-[(4-fluorophenyl)methyl]-4-hydroxy-1H-benzimidazol-5-yl]-2-thiazolyl- (9CI) (CA INDEX NAME)



RN 457945-30-1 CAPLUS
CN Methanone, [7-chloro-2-[(4-fluorophenyl)methyl]-4-hydroxy-1-methyl-1H-

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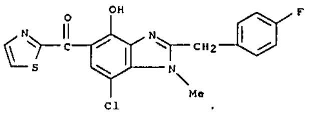
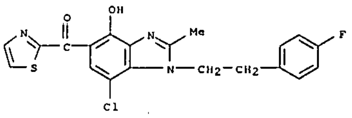
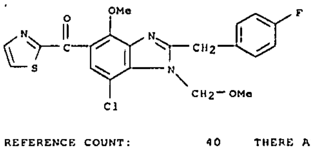
L3 ANSWER 56 OF 162 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)
benzimidazol-5-yl]-2-thiazolyl- (CA INDEX NAME)



RN 457945-31-2 CAPLUS
CN Methanone, [7-chloro-1-[2-(4-fluorophenyl)ethyl]-4-hydroxy-2-methyl-1H-benzimidazol-5-yl]-2-thiazolyl- (CA INDEX NAME)



IT 457947-69-2P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation of nitrogen-containing heteroaryl compds. having HIV integrase inhibitory activity)
RN 457947-69-2 CAPLUS
CN Methanone, [7-chloro-2-[(4-fluorophenyl)methyl]-4-methoxy-1-(methoxymethyl)-1H-benzimidazol-5-yl]-2-thiazolyl- (CA INDEX NAME)



REFERENCE COUNT: 40 THERE ARE 40 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

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L3   ANSWER 57 OF 162  CAPLUS  COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER:         2002:637645  CAPLUS
DOCUMENT NUMBER:          137:169325
TITLE:                    Benzoylcyanothioacetamide derivatives and process for
                          producing the same
INVENTOR(S):              Yagihara, Tomio; Ookuchi, Tetsushi
PATENT ASSIGNEE(S):       Nippon Soda Co., Ltd., Japan
SOURCE:                   PCT Int. Appl., 18 pp.
                          CODEN: PIXXD2
DOCUMENT TYPE:            Patent
LANGUAGE:                 Japanese
FAMILY ACC. NUM. COUNT:   1
PATENT INFORMATION:

     PATENT NO.          KIND    DATE        APPLICATION NO.          DATE
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     WO 2002064554        A1     20020822    WO 2002-JP1099           20020208
         W:  AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,
             CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,
             GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR,
             LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH,
             PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ,
             UA, UG, US, UZ, VN, YU, ZA, ZM, ZW
         RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH,
             CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR,
             BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG
     AU 2002230204        A1     20020828    AU 2002-230204           20020208
     EP 1367049           A1     20031203    EP 2002-711425           20020208
         R:  AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
             IE, SI, LT, LV, FI, RO, MK, CY, AL, TR
     US 2004059122        A1     20040325    US 2003-466815           20030722
     IN 2003KN00982       A      20060210    IN 2003-KN982            20030731
PRIORITY APPLN. INFO.:                       JP 2001-34839        A  20010213

                                             JP 2001-106924       A  20010405

                                             WO 2002-JP1099       W  20020208

OTHER SOURCE(S):          CASREACT 137:169325; MARPAT 137:169325
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L3   ANSWER 57 OF 162  CAPLUS  COPYRIGHT 2007 ACS on STN     (Continued)
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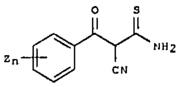

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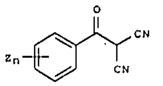

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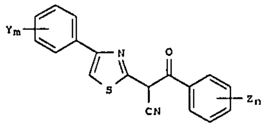

III

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AB   Benzoylthiocyanoacetamide compds. represented by the formula (I; Z = NO2,
     cyano, halo, C1-6 alkyl, C1-6 haloalkyl, C1-6 alkoxy, (un)substituted Ph
     or PhO; n = an integer of 0-5) are prepared by reaction of
     benzoylmalononitriles (II; Z = = same as above) with thioacetamide in the
     presence of acid catalyst.  The compds. II are useful as intermediates
for
     acrylonitrile derivs. serving as an active ingredient for medicines and
     agricultural chems., especially insecticides/acaricides.  Also disclosed
is a
     process for producing a 3-oxo-2-(2-thiazolyl)propanenitrile compound
     represented by formula (III; Y = halo, C1-6 alkyl, C1-6 alkoxy,
     (un)substituted Ph; m = an integer of 0-5) characterized by reacting the
     compound I a phenacyl halide.  Thus,
2-trifluoromethylbenzoylmalononitrile
     5, thioacetamide 1.73, and p-toluenesulfonic acid monohydrate 0.5 g in 50
     mL toluene and refluxed for.1 h to give 84.9% α-(2-
     trifluoromethylbenzoyl)-α-cyanothioacetamide (IV).  IV (0.6 g) was
     dissolved in 5 mL ethanol, treated with 0.23 g Et3N at room temperature,
stirred
     for 15 min, treated dropwise with 0.5 g α-bromo-2,6-
     difluoroacetophenone at room temperature, and stirred for 2 h to give
93.3%
     2-[4-(2,6-difluorophenyl)-1,3-thiazol-2-yl]-3-oxo-3-[2-
     (trifluoromethyl)phenyl]propanenitrile.
IT   374638-28-5P
     RL: AGR (Agricultural use); BSU (Biological study, unclassified); SPN
     (Synthetic preparation); BIOL (Biological study); PREP (Preparation);
USES
     (Uses)
        (preparation of benzoylcyanothioacetamide derivs. by condensation of
        benzoylmalononitriles with thioacetamide as intermedaites for drugs,
        insecticides, and acaricides)
RN   374638-28-5  CAPLUS
CN   2-Thiazoleacetonitrile, 4-(2,6-difluorophenyl)-α-[2-
     (trifluoromethyl)benzoyl]-  (CA INDEX NAME)
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L3   ANSWER 57 OF 162  CAPLUS  COPYRIGHT 2007 ACS on STN     (Continued)
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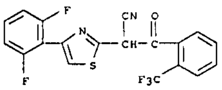

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REFERENCE COUNT:          11    THERE ARE 11 CITED REFERENCES AVAILABLE FOR
THIS

                                RECORD. ALL CITATIONS AVAILABLE IN THE RE

FORMAT
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L3   ANSWER 58 OF 162  CAPLUS  COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER:         2002:594805  CAPLUS
DOCUMENT NUMBER:          137:154948
TITLE:                    Preparation of N-(2-hydroxyphenylmethyl and
                          2-hydroxybenzylidene)hydrazine and -amine derivatives
                          having Maillard reaction inhibitory activity
INVENTOR(S):              Tsutsumi, Seiji; Kawaguchi, Mami; Tadauchi, Kaori;
                          Ninomiya, Tomohisa; Yahata, Naokazu; Nakatani, Yuko
PATENT ASSIGNEE(S):       Meiji Seika Kaisha, Ltd., Japan
SOURCE:                   PCT Int. Appl., 193 pp.
                          CODEN: PIXXD2
DOCUMENT TYPE:            Patent
LANGUAGE:                 Japanese
FAMILY ACC. NUM. COUNT:   1
PATENT INFORMATION:

     PATENT NO.          KIND    DATE        APPLICATION NO.          DATE
     ---------------     ----    --------    --------------------     --------
     WO 2002060858        A1     20020808    WO 2002-JP786            20020131
         W:  AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,
             CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,
             GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR,
             LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH,
             PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ,
             UA, UG, US, UZ, VN, YU, ZA, ZM, ZW
         RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH,
             CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR,
             BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG
     JP 2002302472        A      20021018    JP 2001-290405           20010925
     AU 2002228397        A1     20020812    AU 2002-228397           20020131
PRIORITY APPLN. INFO.:                       JP 2001-24414        A  20010131

                                             WO 2002-JP786        W  20020131

OTHER SOURCE(S):          MARPAT 137:154948
GI
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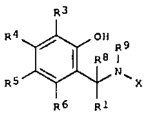

I

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AB   The title compds. represented by the formula (I) or pharmacol. acceptable
     salt thereof [R1 = (un)substituted alkyl, cycloalkyl, aryl, unsatd.
     heterocycle, saturated heterocycle, or phenylalkenyl; R3, R4, R5, R6 =
H, OH,
     nitro, halogeno, alkyl, alkoxy, mercapto, alkylthio, amino, alkylamino,
     dialkylamino, or phenyl; R8 = hydrogen or a bond in cooperation with R9;
     R9 = H, alkyl, alkyl, alkoxy, alkanoyl, alkoxycarbonyl, arylcarbonyl,
     aralkylcarbonyl; X = NR7aCOR2a (wherein R2a = alkyl, etc.; R7a =
hydrogen,
     alkyl, etc.), NR7bC(Y)R2b (wherein R2b = alkyl, etc.; Y = oxo, etc.), or
     (CH2)nCR11cR12cR2c (wherein R2c = unsatd. heterocycle, etc.; R11c, R12c =
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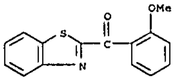
L3 ANSWER 58 OF 162 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)
H, alkyl, etc.; n = an integer of 0 to 4)] and pharmacol. acceptable salts thereof having strong inhibitory activity against the Maillard reaction were prepd. Also disclosed are a medicine contg. I for use in the prevention of or treatments for diseases such as diabetic nephropathy, diabetic neuropathy, diabetic retinopathy, cataract, great vascular diseases, Alzheimer's disease, amyotrophic lateral sclerosis, dialysis amyloidosis, or articular rheumatism which the Maillard reaction participates and an additive contg. I for preventing the deterioration of cosmetics or foods caused by the Maillard reaction. Thus, 2'-hydroxy-2-(4-methylpiperazin-1-yl)acetophenone was condensed with hydrazine hydrate in ethanol at room temp. for 30 min and acylated by 2-acetoxybenzoyl chloride in pyridine at room temp. for 30 min to give (Z)-2-acetoxybenzoic acid [1-(2-hydroxyphenyl)-2-[4-(2-methoxyphenyl)piperazin-1-yl]ethylidene]hydrazide. N,N-diethyl-(E)-3-[[[1-(2-hydroxy-5-methylphenyl)-2-phenylethylidene]hydrazino]carbonyl]benzenesulfonamide in vitro showed IC50 of 0.6 μM for inhibiting the formation of advanced glycation end products (AGE) from lysozyme and fructose. A tablet and a granule formulation contg. (E)-2-hydroxybenzoic acid [1-(2-hydroxyphenuyl)-1-phenylmethylene]hydrazide were also prepd.

IT 445298-04-4P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation of (o-hydroxyphenylmethyl and o-hydroxybenzylidene)hydrazine and -amine derivs. having Maillard reaction inhibitory activity as therapeutics or preventives for Maillard reaction-participating diseases)

RN 445298-04-4 CAPLUS

CN Methanone, 2-benzothiazolyl(2-methoxyphenyl)- (CA INDEX NAME)



REFERENCE COUNT: 12 THERE ARE 12 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

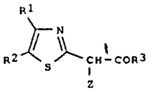
L3 ANSWER 59 OF 162 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 2002:264866 CAPLUS
DOCUMENT NUMBER: 136:294822
TITLE: Preparation of thiazolylethanes as insecticides or their intermediates
INVENTOR(S): Yagihara, Tomio; Aihara, Toshio
PATENT ASSIGNEE(S): Nippon Soda Co., Ltd., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 53 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	JP 2002105065	A	20020410	JP 2000-298061	20000929
PRIORITY APPLN. INFO.:				JP 2000-298061	20000929

OTHER SOURCE(S): CASREACT 136:294822; MARPAT 136:294822

GI



I

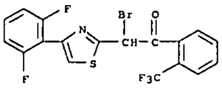
AB Thiazolylethanes I [R1 = halo, C1-6 (halo)alkyl, C1-6 alkoxy, (un)substituted C3-6 cycloalkyl, (un)substituted pyridyl, etc.; R2 = H, halo, C1-6 (halo)alkyl, C1-6 alkoxycarbonyl, C3-6 cycloalkyl, (un)substituted Ph, (un)substituted heterocyclyl; R3 = substituted Ph, substituted heterocyclyl; Z = halo, C1-6 alkoxy, (un)substituted phenoxy, C1-6 alkylthio, etc.], useful as (intermediates for) agrochems. or pharmaceuticals, are prepared I (R1 = 2,6-F2C6H3, R2 = Z = H, R3 = 2-F3CC6H4) (0.5 g) was brominated by Br in CHCl3 at room temperature for 3 h to give 0.4 g I (R1 = 2,6-F2C6H3, R2 = H, Z = Br, R3 = 2-F3CC6H4).

IT 374638-25-2P
RL: IMF (Industrial manufacture); RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation of thiazolylethanes as intermediates for insecticides)

RN 374638-25-2 CAPLUS

CN Ethanone, 2-bromo-2-[4-(2,6-difluorophenyl)-2-thiazolyl]-1-[2-(trifluoromethyl)phenyl]- (CA INDEX NAME)

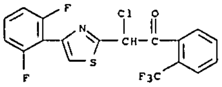
L3 ANSWER 59 OF 162 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



IT 374638-26-3P 374638-27-4P 374638-28-5P
408506-94-5P 408506-95-6P
RL: IMF (Industrial manufacture); SPN (Synthetic preparation); PREP (Preparation)
(preparation of thiazolylethanes as intermediates for insecticides)

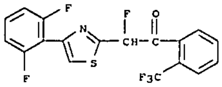
RN 374638-26-3 CAPLUS

CN Ethanone, 2-chloro-2-[4-(2,6-difluorophenyl)-2-thiazolyl]-1-[2-(trifluoromethyl)phenyl]- (CA INDEX NAME)



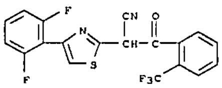
RN 374638-27-4 CAPLUS

CN Ethanone, 2-[4-(2,6-difluorophenyl)-2-thiazolyl]-2-fluoro-1-[2-(trifluoromethyl)phenyl]- (CA INDEX NAME)



RN 374638-28-5 CAPLUS

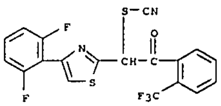
CN 2-Thiazoleacetonitrile, 4-(2,6-difluorophenyl)-α-[2-(trifluoromethyl)benzoyl]- (CA INDEX NAME)



RN 408506-94-5 CAPLUS

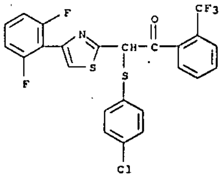
CN Thiocyanic acid, 1-[4-(2,6-difluorophenyl)-2-thiazolyl]-2-oxo-2-[2-(trifluoromethyl)phenyl]ethyl ester (CA INDEX NAME)

L3 ANSWER 59 OF 162 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



RN 408506-95-6 CAPLUS

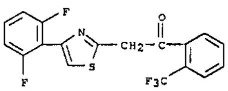
CN Ethanone, 2-[(4-chlorophenyl)thio]-2-[4-(2,6-difluorophenyl)-2-thiazolyl]-1-[2-(trifluoromethyl)phenyl]- (CA INDEX NAME)



IT 374638-14-9
RL: RCT (Reactant); RACT (Reactant or reagent)
(preparation of thiazolylethanes as intermediates for insecticides)

RN 374638-14-9 CAPLUS

CN Ethanone, 2-[4-(2,6-difluorophenyl)-2-thiazolyl]-1-[2-(trifluoromethyl)phenyl]- (CA INDEX NAME)



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L3   ANSWER 60 OF 162  CAPLUS  COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER:         2002:185097  CAPLUS
DOCUMENT NUMBER:          136:247591
TITLE:                    Preparation of arylmorpholines as inhibitors of
                          DNA-dependent protein kinase and methods to
potentiate
                          cancer treatment
INVENTOR(S):              Halbrook, James; Kesicki, Edward; Burgess, Laurence
                          E.; Schlachter, Stephen T.; Eary, Charles T.; Schiro,
                          Justin G.; Huang, Hongmei; Evans, Michael; Han,
                          Yongxin
PATENT ASSIGNEE(S):       Icos Corporation, USA
SOURCE:                   PCT Int. Appl., 247 pp.
                          CODEN: PIXXD2
DOCUMENT TYPE:            Patent
LANGUAGE:                 English
FAMILY ACC. NUM. COUNT:   1
PATENT INFORMATION:

     PATENT NO.          KIND    DATE       APPLICATION NO.         DATE
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     WO 2002020500        A2     20020314   WO 2001-US26709         20010828
     WO 2002020500        A3     20030731
         W:  AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,
             CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,
             GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR,
             LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PH, PL,
             PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG,
             UZ, VN, YU, ZA, ZW
         RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AM, AZ, BY, KG,
             KZ, MD, RU, TJ, TM, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR,
             IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN,
             GQ, GW, ML, MR, NE, SN, TD, TG
     AU 200188432         A      20020322   AU 2001-88432           20010828
     US 2002165218        A1     20021107   US 2001-941897          20010828
     US 7179912           B2     20070220
     EP 1351946           A2     20031015   EP 2001-968164          20010828
         R:  AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
             IE, SI, LT, LV, FI, RO, MK, CY, AL, TR
PRIORITY APPLN. INFO.:                      US 2000-229899P      P  20000901

                                            WO 2001-US26709      W  20010828

OTHER SOURCE(S):          MARPAT 136:247591
GI
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L3   ANSWER 60 OF 162  CAPLUS  COPYRIGHT 2007 ACS on STN      (Continued)
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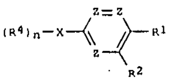

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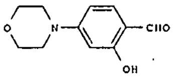

II

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AB   Compds. that inhibit DNA-dependent protein kinase, I [n = 0-4; X =
     (un)substituted 4-7 membered aliphatic ring containing 0-3 heteroatoms
consisting
     of N, O and S (X = morpholinyl preferred); Z = independently N or CR3; R3
     = independently H, halo, CHO, alkoxy, etc.; R1 = H, (un)substituted
alkyl,
     cycloalkyl, CO, NO2, etc.; R2 = H, (un)substituted alkyl, carbamoyl,
     alkoxy, sulfamyl, etc.; with provision when X = morpholinyl, R2 and R4
and
     R3 = H at each occurrence, then R1 is different from COMe, phenylalkene,
     and NO2; and with the provision that when X = morpholinyl, R4 = H and Z =
     N at each occurrence, then R1 and R2 when taken together is different
from
     triazole], were prepared and compns. of I with other antineoplastic
agents
     are claimed for use in cancer treatment therapy.  Thus, II was prepared
in
     23% yield via formylation of 3-(4-morpholinyl)phenol.  II demonstrated an
     IC50 value of 400 nM in DNA-PK assay.  Preliminary results of animal
tumor
     model studies indicate II enhanced the tumoristatic effect of total body
     irradiation (using 100-500 rad γ-radiation, II delayed tumor growth 1.2
     to 1.8-fold relative to animals receiving radiation only).
IT   404010-42-0P
     RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU
     (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES
     (Uses)
        (target compound; preparation of arylmorpholines as inhibitors of
        DNA-dependent protein kinase for cancer treatment)
RN   404010-42-0  CAPLUS
CN   Methanone, [2-hydroxy-4-(4-morpholinyl)phenyl]-2-thiazolyl-  (CA INDEX
     NAME)
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L3   ANSWER 60 OF 162  CAPLUS  COPYRIGHT 2007 ACS on STN      (Continued)
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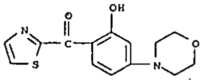

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L3   ANSWER 61 OF 162  CAPLUS  COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER:         2001:851141  CAPLUS
DOCUMENT NUMBER:          135:371738
TITLE:                    Thiazolylethanone compounds and process for the
                          preparation thereof
INVENTOR(S):              Yagihara, Tomio; Aihara, Toshio; Suzuki, Tatsumi;
                          Ookuchi, Tetsushi
PATENT ASSIGNEE(S):       Nippon Soda Co., Ltd., Japan
SOURCE:                   PCT Int. Appl., 23 pp.
                          CODEN: PIXXD2
DOCUMENT TYPE:            Patent
LANGUAGE:                 Japanese
FAMILY ACC. NUM. COUNT:   1
PATENT INFORMATION:

     PATENT NO.          KIND    DATE       APPLICATION NO.         DATE
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     WO 2001087864        A1     20011122   WO 2001-JP4169          20010518
         W:  AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,
             CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR,
             HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT,
             LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU,
             SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN,
             YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
         RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY,
             DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF,
             BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG
PRIORITY APPLN. INFO.:                      JP 2000-147823       A  20000519

                                            JP 2001-84194        A  20010323

                                            JP 2001-106942       A  20010405

OTHER SOURCE(S):          CASREACT 135:371738; MARPAT 135:371738
GI
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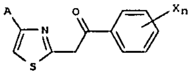

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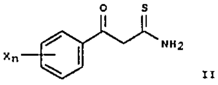

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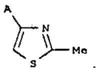
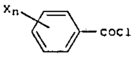
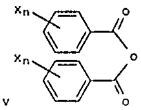


III



IV



V

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AB   2-(2-Thiazolyl)-1-phenylethanones [I; A = halo, C2-6 alkyl, C1-6
     haloalkyl, C1-6 alkoxy, (un)substituted C3-6 cycloalkyl, optionally G
     group-substituted pyridyl, thienyl, Ph, or phenoxy; X = NO2, cyano, halo,
     C1-6 alkyl, C1-6 haloalkyl, C1-6 alkoxy, (un)substituted Ph or PhO; n = 0
     or an integer of 1-5; wherein G = halo, NO2, C1-6 alkyl, C1-6 alkoxy] are
     prepared by (1) cyclocondensation of benzoylthioacetamides [II; X, n =
same
L3   ANSWER 61 OF 162  CAPLUS  COPYRIGHT 2007 ACS on STN     (Continued)
     as above) with haloethanones of general formula A1COCH2Y [A1 = C1-6
alkyl,
     (un)substituted C3-6 cycloalkyl, optionally G group-substituted pyridyl,
     thienyl, or phenyl; Y = halo] or (2) coupling of 2-methylthiazoles (III;
A
     = same as above) with benzoyl chloride (IV) or benzoic anhydride (V; X, n
     = same as above) followed by hydrolysis of the resulting enol ester
     intermediates.  This process uses inexpensive 2-methylthiazoles and
safely
     and easily handled org. base such as triethylamine instead of
     butylilithium and gives in an industrially advantageous manner, the
     compds. I which are useful as intermediates for drugs or agrochems. such
     as insecticides and miticides.  Thus, 2.1 g 2,6-difluorophenacyl bromide
     was added to a soln. of 2.2 g 2-trifluoromethylbenzoylthioacetamide in 20
     mL ethanol under ice-cooling and heated at 60-70° for 23 h to give
     73.3% 2-[4-(2,6-difluorophenyl)-1,3-thiazol-2-yl]-1-[2-
     (trifluoromethyl)phenyl]ethan-1-one, i.e. I (A = 2,6-difluorophenyl, Xn =
     2-CF3).
IT   374638-14-9P, 2-[4-(2,6-Difluorophenyl)-1,3-thiazol-2-yl]-1-[2-
     (trifluoromethyl)phenyl]ethan-1-one 374638-25-2P,
     2-Bromo-2-[4-(2,6-difluorophenyl)-1,3-thiazol-2-yl]-1-[2-
     (trifluoromethyl)phenyl]ethan-1-one 374638-27-4P,
     2-Fluoro-2-[4-(2,6-difluorophenyl)-1,3-thiazol-2-yl]-1-[2-
     (trifluoromethyl)phenyl]ethan-1-one
     RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT
     (Reactant or reagent)
        (preparation of thiazolylethanones by cyclocondensation of
        benzoylthioacetamides with haloethanones or coupling of
methylthiazoles
        with benzoyl halide or benzoic anhydrides followed by hydrolysis)
RN   374638-14-9  CAPLUS
CN   Ethanone, 2-[4-(2,6-difluorophenyl)-2-thiazolyl]-1-[2-
     (trifluoromethyl)phenyl]-  (CA INDEX NAME)
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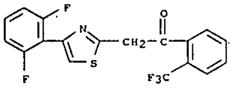

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RN   374638-25-2  CAPLUS
CN   Ethanone, 2-bromo-2-[4-(2,6-difluorophenyl)-2-thiazolyl]-1-[2-
     (trifluoromethyl)phenyl]-  (CA INDEX NAME)
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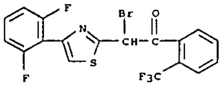

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L3   ANSWER 61 OF 162  CAPLUS  COPYRIGHT 2007 ACS on STN     (Continued)
RN   374638-27-4  CAPLUS
CN   Ethanone, 2-[4-(2,6-difluorophenyl)-2-thiazolyl]-2-fluoro-1-[2-
     (trifluoromethyl)phenyl]-  (CA INDEX NAME)
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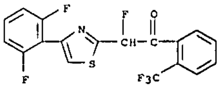

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IT   374638-16-1P, 2-[4-(2,6-Difluorophenyl)-1,3-thiazol-2-yl]-1-(2-
     methylphenyl)ethan-1-one 374638-22-9P, 2-(4-Phenyl-1,3-thiazol-2-
     yl)-1-[2-(trifluoromethyl)phenyl]ethan-1-one 374638-24-1P,
     2-(4-Methyl-1,3-thiazol-2-yl)-1-[2-(trifluoromethyl)phenyl]ethan-1-one
     374638-26-3P, 2-Chloro-2-[4-(2,6-difluorophenyl)-1,3-thiazol-2-yl]-
     1-[2-(trifluoromethyl)phenyl]ethan-1-one 374638-28-5P,
     2-Cyano-2-[4-(2,6-difluorophenyl)-1,3-thiazol-2-yl]-1-[2-
     (trifluoromethyl)phenyl]ethan-1-one
     RL: SPN (Synthetic preparation); PREP (Preparation)
        (preparation of thiazolylethanones by cyclocondensation of
        benzoylthioacetamides with haloethanones or coupling of
methylthiazoles
        with benzoyl halide or benzoic anhydrides followed by hydrolysis)
RN   374638-16-1  CAPLUS
CN   Ethanone, 2-[4-(2,6-difluorophenyl)-2-thiazolyl]-1-(2-methylphenyl)-  (CA
     INDEX NAME)
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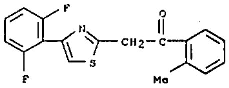

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RN   374638-22-9  CAPLUS
CN   Ethanone, 2-(4-phenyl-2-thiazolyl)-1-[2-(trifluoromethyl)phenyl]-  (CA
     INDEX NAME)
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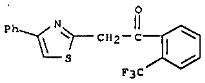

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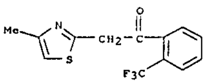
RN   374638-24-1  CAPLUS
CN   Ethanone, 2-(4-methyl-2-thiazolyl)-1-[2-(trifluoromethyl)phenyl]-  (CA
```

```
L3   ANSWER 61 OF 162  CAPLUS  COPYRIGHT 2007 ACS on STN     (Continued)
     INDEX NAME)
```



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RN   374638-26-3  CAPLUS
CN   Ethanone, 2-chloro-2-[4-(2,6-difluorophenyl)-2-thiazolyl]-1-[2-
     (trifluoromethyl)phenyl]-  (CA INDEX NAME)
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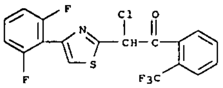

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RN   374638-28-5  CAPLUS
CN   2-Thiazoleacetonitrile, 4-(2,6-difluorophenyl)-α-[2-
     (trifluoromethyl)benzoyl]-  (CA INDEX NAME)
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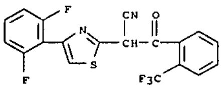

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REFERENCE COUNT:          6     THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS
                                RECORD. ALL CITATIONS AVAILABLE IN THE RE
FORMAT
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L3   ANSWER 62 OF 162  CAPLUS  COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER:         2001:780885  CAPLUS
DOCUMENT NUMBER:          135:318503
TITLE:                    Preparation of herbicidal 3-heterocyclic substituted
                          benzisothiazoles and benzisoxazoles
INVENTOR(S):              Wepplo, Peter John; Rampulla, Richard Anthony;
                          Heffernan, Gavin David; Cosette, Michael Vernie;
                          Langevine, Charles Malcolm; Kameswaran, Venkataraman;
                          Diehl, Robert Eugene; Fiordeliso, James Joseph;
Haley,
                          Gregory Jay; Guaciaro, Michael Anthony
PATENT ASSIGNEE(S):       Basf Aktiengesellschaft, Germany
SOURCE:                   PCT Int. Appl., 322 pp.
                          CODEN: PIXXD2
DOCUMENT TYPE:            Patent
LANGUAGE:                 English
FAMILY ACC. NUM. COUNT:   1
PATENT INFORMATION:

     PATENT NO.           KIND   DATE       APPLICATION NO.        DATE
     ---------------      ----   --------   --------------------   --------
     WO 2001079203         A1    20011025   WO 2001-EP4356         20010417
         W:  AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,
             CO, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM,
             HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS,
             LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO,
             RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN,
             YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
         RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY,
             DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF,
             BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG
     CA 2408396            A1    20011025   CA 2001-2408396        20010417
     US 2002028748         A1    20020307   US 2001-836082         20010417
     US 6706663            B2    20040316
     EP 1274708            A1    20030115   EP 2001-938123         20010417
         R:  AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
             IE, SI, LT, LV, FI, RO, MK, CY, AL, TR
     JP 2004501084         T     20040115   JP 2001-576802         20010417
PRIORITY APPLN. INFO.:                      US 2000-197488P     P  20000417

                                            WO 2001-EP4356      W  20010417

OTHER SOURCE(S):          MARPAT 135:318503
GI
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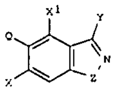
L3 ANSWER 62 OF 162 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)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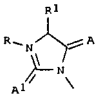
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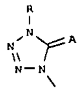
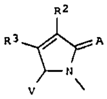
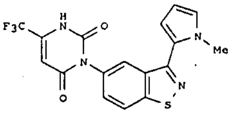

III


IV


V

AB The title compds. [I; Q = II-V, etc.; R = halo, alkyl, haloalkyl, etc.; R1 = H, halo, alkyl, etc.; R2, R3 = H, halo, alkyl, etc.; A, A1 = O, S; X = H, halo, alkyl; X1 = H, halo, alkyl, etc.; V = OH, halo, alkyl, etc.; Y = (un)substituted 3-7 membered ring containing 1-4 heteroatoms selected from O, S and N; Z = O, SOm; m = 0-2], useful for the control of undesirable plant species (biol. data given), were prepared Thus, reacting 5-amino-3-(1-methylpyrrol-2-yl)-1,2-benzisothiazole with 2-dimethylamino-4-trifluoromethyl-6H-1,3-oxazin-6-one in AcOH afforded 83% V.

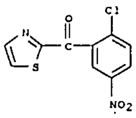
IT 39264-22-7P 367948-70-7P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(preparation of herbicidal 3-heterocyclic substituted benzisothiazoles and benzisoxazoles)

RN 39264-22-7 CAPLUS

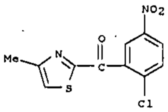
CN Methanone, (2-chloro-5-nitrophenyl)-2-thiazolyl- (9CI) (CA INDEX NAME)



L3 ANSWER 62 OF 162 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

RN 367948-70-7 CAPLUS

CN Methanone, (2-chloro-5-nitrophenyl)(4-methyl-2-thiazolyl)- (CA INDEX NAME)



REFERENCE COUNT: 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 63 OF 162 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 2001:673580 CAPLUS

DOCUMENT NUMBER: 135:233824

TITLE: Silver halide color photographic material and yellow coupler

INVENTOR(S): Ishii, Fumio; Hirabayashi, Shigehito

PATENT ASSIGNEE(S): Konica Co., Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 43 pp.
CODEN: JKXXAF

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

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     PATENT NO.          KIND    DATE        APPLICATION NO.         DATE
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     JP 2001249434        A      20010914    JP 2000-60306           20000306
PRIORITY APPLN. INFO.:                       JP 2000-60306           20000306
```

OTHER SOURCE(S): MARPAT 135:233824

GI

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

AB The material has each ≥1 blue-, green-, and red-sensitive Ag halide emulsion layer on a support, in which ≥1 blue-sensitive emulsion layer contains the yellow coupler I, II, III, IV or V (R1-3 = substituent; n, m = 0-4; X1 = N, CR5; R5 = H, substituent; Y = halo, alkoxy; Z = group released by reacting with a color developer oxidation product; X2 = O, S; X3, X4 = N, CR5; R5 = H, substituent; R4 = halo, alkoxy, aryloxy, acylamino, sulfonamide). The yellow coupler gives great mol. absorption coefficient and high color development, the material showing reduced fog, high color development, and improved storage stability.

IT 359721-17-8 359721-18-9

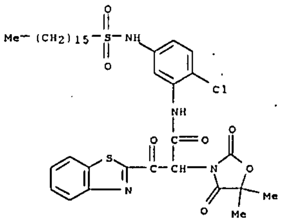
RL: DEV (Device component use); USES (Uses)

(photog. film containing amide compound yellow coupler)

RN 359721-17-8 CAPLUS

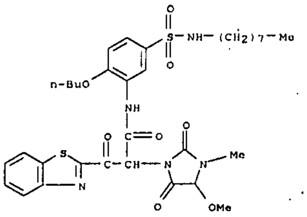
CN 2-Benzothiazolepropanamide, N-[2-chloro-5-[(hexadecylsulfonyl)amino]phenyl]-α-(5,5-dimethyl-2,4-dioxo-3-oxazolidinyl)-β-oxo- (CA INDEX NAME)

L3 ANSWER 63 OF 162 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



RN 359721-18-9 CAPLUS

CN 2-Benzothiazolepropanamide, N-[2-butoxy-5-[(octylamino)sulfonyl]phenyl]-α-(4-methoxy-3-methyl-2,5-dioxo-1-imidazolidinyl)-β-oxo- (CA INDEX NAME)



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L3   ANSWER 64 OF 162  CAPLUS  COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER:          2001:490626  CAPLUS
DOCUMENT NUMBER:           135:242030
TITLE:                     Synthesis of thiazole analogs of isoflavolignans
AUTHOR(S):                 Khilya, V. P.; Tkachuk, T. M.; Shevchuk, L. I.
CORPORATE SOURCE:          Taras Shevchenko Kiev National University, Kiev,
                           Ukraine
SOURCE:                    Chemistry of Natural Compounds (Translation of
Khimiya
                           Prirodnykh Soedinenii) (2001), Volume Date 2000,
                           36(6), 574-578
                           CODEN: CHNCA8; ISSN: 0009-3130
PUBLISHER:                 Consultants Bureau
DOCUMENT TYPE:             Journal
LANGUAGE:                  English
OTHER SOURCE(S):           CASREACT 135:242030
AB   Modified analogs of isoflavolignans were prepared by annelation of
dioxole,
     dioxane, and dioxepan fragments to 3-thiazolyl-7,8-dihydroxychromones.
IT   359862-21-8P
     RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT
     (Reactant or reagent)
        (synthesis of thiazole analogs of isoflavolignans)
RN   359862-21-8  CAPLUS
CN   Ethanone, 2-(4-methyl-2-thiazolyl)-1-(2,3,4-trihydroxyphenyl)-  (CA INDEX
     NAME)
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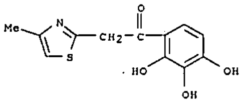

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REFERENCE COUNT:           11     THERE ARE 11 CITED REFERENCES AVAILABLE FOR
THIS
                                  RECORD. ALL CITATIONS AVAILABLE IN THE RE
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L3   ANSWER 65 OF 162  CAPLUS  COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER:          2001:441256  CAPLUS
DOCUMENT NUMBER:           135:46103
TITLE:                     Preparation of 1,4-dihydropyridines
INVENTOR(S):               Satake, Kunio; Murase, Noriaki
PATENT ASSIGNEE(S):        Pfizer Pharmaceutical Co., Ltd., Japan
SOURCE:                    Jpn. Kokai Tokkyo Koho, 10 pp.
                           CODEN: JKXXAF
DOCUMENT TYPE:             Patent
LANGUAGE:                  Japanese
FAMILY ACC. NUM. COUNT:    1
PATENT INFORMATION:

     PATENT NO.            KIND   DATE       APPLICATION NO.          DATE
     ---------------       ----   --------   --------------------     --------
     JP 2001163884          A     20010619   JP 2000-373448           20001207
     EP 1110962             A1    20010627   EP 2000-310648           20001130
         R:  AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
             IE, SI, LT, LV, FI, RO
     IN 192482              A1    20040424   IN 2000-DE1100           20001204
     MX 2000PA12173         A     20020201   MX 2000-PA12173          20001207
     ZA 2000007253          A     20020607   ZA 2000-7253             20001207
     CA 2327944             A1    20010610   CA 2000-2327944          20001208
     CN 1305995             A     20010801   CN 2000-135278           20001208
     HU 2000004884          A2    20011028   HU 2000-4884             20001208
     RU 2223267             C2    20040210   RU 2000-130339           20001208
     BR 2000005842          A     20010724   BR 2000-5842             20001211
     US 2003078430          A1    20030424   US 2002-224928           20020820
     US 6649767             B2    20031118
PRIORITY APPLN. INFO.:                       US 1999-170217P       P  19991210

                                             US 2000-716158        B1 20001117

OTHER SOURCE(S):           CASREACT 135:46103; MARPAT 135:46103
AB   Title compds. are prepared by reaction of enamines having structure of
     -CH2C(NH-):CH- with compds. having structure of -CH2COC(CN):CH- or
     -CH2COC(:CH-)CO2R (R = C1-5 alkyl) in the presence of bases and treatment
     with ≥1 acids.  Di-Me 3-amino-2-pentenedioate was reacted with Me
     3-(2,6-dichlorophenyl)-2-[(1,3-thiazol-2-yl)propanoyl]-2-propanoate in
the
     presence of EtMgBr in THF-2-methyl-2-propanol at room temperature for 1
h and
     treated with AcOH at room temperature for 6 h to give 85% di-Me
     4-(2,6-dichlorophenyl)-2-(2-methoxy-2-oxoethyl)-6-[2-(1,3-thiazol-2-
     yl)ethyl]-1,4-dihydropyridine-3,5-dicarboxylate.
IT   344434-95-3P
     RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT
     (Reactant or reagent)
        (preparation of dihydropyridines by Michael addition of enamines with
        carbonylalkylenes and cyclization)
RN   344434-95-3  CAPLUS
CN   2-Thiazolepentanoic acid, α-[(2,6-dichlorophenyl)methylene]-β-
     oxo-, methyl ester  (CA INDEX NAME)
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L3   ANSWER 65 OF 162  CAPLUS  COPYRIGHT 2007 ACS on STN      (Continued)
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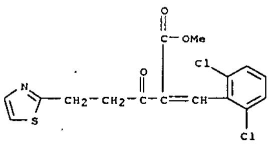

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L3   ANSWER 66 OF 162  CAPLUS  COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER:          2001:432890  CAPLUS
DOCUMENT NUMBER:           135:46204
TITLE:                     Preparation of 4-phenyl-2-(2-oxo-2-piperazinylethyl)-
                           1,4-dihydropyridine-3,5 dicarboxylates as bradykinin
                           antagonists
INVENTOR(S):               Okumura, Yoshiyuki; Kawamura, Mitshuriro; Kawai,
                           Makoto; Murase, Noriaki; Ikeda, Takafumi
PATENT ASSIGNEE(S):        Pfizer Inc., USA
SOURCE:                    Eur. Pat. Appl., 46 pp.
                           CODEN: EPXXDW
DOCUMENT TYPE:             Patent
LANGUAGE:                  English
FAMILY ACC. NUM. COUNT:    1
PATENT INFORMATION:

     PATENT NO.            KIND   DATE       APPLICATION NO.          DATE
     ---------------       ----   --------   --------------------     --------
     EP 1106615             A1    20010613   EP 2000-310792           20001205
     EP 1106615             B1    20030305
         R:  AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
             IE, SI, LT, LV, FI, RO
     AT 233760              T     20030315   AT 2000-310792           20001205
     ES 2191598             T3    20030916   ES 2000-310792           20001205
     JP 2001192382          A     20010717   JP 2000-373446           20001207
     CA 2327946             A1    20010610   CA 2000-2327946          20001208
     BR 2000005826          A     20011211   BR 2000-5826             20001211
     MX 2000PA12317         A     20020820   MX 2000-PA12317          20001211
     US 2002042421          A1    20020411   US 2001-964907           20010927
     US 2003176445          A1    20030918   US 2003-366486           20030213
PRIORITY APPLN. INFO.:                       US 1999-170033P       P  19991210

                                             US 2000-723252        A1 20001127

     )                                       US 2001-964907        B1 20010927

                                             US 2002-161026        B1 20020603

OTHER SOURCE(S):           MARPAT 135:46204
GI



* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY -  AVAILABLE VIA OFFLINE PRINT *

AB   Title compds. (I) [wherein A = independently halo; Y = (CH2)m, CO, or SO;
     R1 and R2 = independently alkyl; R3 = (un)substituted bicycloalkyl,
     azacycloalkyl, or azabicycloalkyl; R4 = (un)substituted thiazolyl,
     imidazolyl, or oxazolyl; R5 = H or alkyl; m = 0-2; n = 0-5; or the
     pharmaceutically acceptable salts thereof] were prepared as bradykinin
     antagonists for the treatment of inflammation, allergic rhinitis, pain,
     etc.  For example, II was formed in a multi-step sequence involving the
     reaction of Me
3-(2,6-dichlorophenyl)-2-[3-(1,3-thiazol-2-yl)propanoyl]-2-
     propenoate with di-Me 3-amino-2-pentenedioate to give the
     2-[1,4-dihydro-3,5-bis(methoxycarbonyl)-2-pyridinyl]acetic acid (85%),
     followed by amidation with 4-(3-methylbicyclo[3.2.1]oct-3-yl)piperazine
     (73%).  In recombinant human bradykinin B2 receptor expressing CHO-K1
     cells, I inhibited the binding of bradykinin to its receptor sites with
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L3   ANSWER 66 OF 162  CAPLUS  COPYRIGHT 2007 ACS on STN     (Continued)
     IC50 values of 1 nM to 30 nM.
IT   344434-95-3P
     RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT
     (Reactant or reagent)
        (intermediate; preparation of
4-phenyl-2-(2-oxo-2-piperazinylethyl)-1,4-
        dihydropyridine-3,5-dicarboxylate bradykinin antagonists by reaction
of
        benzylidenes with enamines and addition of piperazines)
RN   344434-95-3  CAPLUS
CN   2-Thiazolepentanoic acid, α-[(2,6-dichlorophenyl)methylene]-β-
     oxo-, methyl ester  (CA INDEX NAME)
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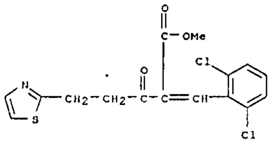

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REFERENCE COUNT:         1      THERE ARE 1 CITED REFERENCES AVAILABLE FOR THIS
                                RECORD. ALL CITATIONS AVAILABLE IN THE RE
FORMAT
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L3   ANSWER 67 OF 162  CAPLUS  COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER:        2001:432889  CAPLUS
DOCUMENT NUMBER:         135:46173
TITLE:                   Preparation of 4-phenyl-2-thiazolylalkyl-1,4-
                         dihydropyridine-3,5-dicarboxylates and analogs as
                         bradykinin antagonists
INVENTOR(S):             Kawai, Makoto; Murase, Noriaki; Ikeda, Takafumi;
                         Shishido, Yuji; Nukui, Seiji; Okumura, Yoshiyuki;
                         Kawamura, Mitsuhiro
PATENT ASSIGNEE(S):      Pfizer Inc., USA
SOURCE:                  Eur. Pat. Appl., 60 pp.
                         CODEN: EPXXDW
DOCUMENT TYPE:           Patent
LANGUAGE:                English
FAMILY ACC. NUM. COUNT:  1
PATENT INFORMATION:

     PATENT NO.          KIND   DATE        APPLICATION NO.         DATE
     ---------------     ----   --------    --------------------    --------
     EP 1106614           A1    20010613    EP 2000-310793          20001205
     EP 1106614           B1    20040107
         R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
            IE, SI, LT, LV, FI, RO
     AT 257479            T     20040115    AT 2000-310793          20001205
     PT 1106614           T     20040430    PT 2000-310793          20001205
     ES 2211460           T3    20040716    ES 2000-310793          20001205
     JP 2001187793        A     20010710    JP 2000-373447          20001207
     JP 3651885           B2    20050525
     US 2001046993        A1    20011129    US 2000-731995          20001207
     US 6444677           B2    20020903
     CA 2327925           A1    20010610    CA 2000-2327925         20001208
     BR 2000006371        A     20010724    BR 2000-6371            20001211
     MX 2000PA12398       A     20031211    MX 2000-PA12398         20001211
     JP 2005120107        A     20050512    JP 2004-364980          20041216
PRIORITY APPLN. INFO.:                      US 1999-170142P      P  19991210

                                            JP 2000-373447       A3 20001207

OTHER SOURCE(S):         MARPAT 135:46173
GI



* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY -  AVAILABLE VIA OFFLINE PRINT *

AB   Title compds. (I) [wherein A = independently halo; Y1 = (CH2)m, CO, or
SO;
     Y2 = N or CH; R1 and R2 = independently alkyl; R3 = (un)substituted
     (CH2)pcycloalkyl, or (bicyclo)alkyl; R4 = (un)substituted thiazolyl,
     imidazolyl, or oxazolyl; X = S, NH, alkylimino, or O; R5 = H or alkyl; R6
     = alkyl or halo; m = 0-2; n = 0-5; p = 0-6; or the pharmaceutically
     acceptable salts thereof] were prepared as bradykinin antagonists for the
     treatment of inflammation, asthma, allergic rhinitis, pain, etc.  For
     example, II was synthesized in a multi-step sequence involving the
     reaction of Me
3-(2,6-dichlorophenyl)-2-[3-(1,3-thiazol-2-yl)propanoyl]-2-
```

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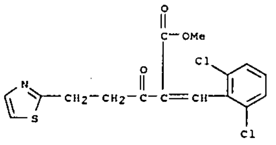
L3   ANSWER 67 OF 162  CAPLUS  COPYRIGHT 2007 ACS on STN     (Continued)
     propenoate with di-Me 3-amino-2-pentenedioate to give the
     2-(2-methoxy-2-oxoethyl)-1,5-dihydropyridine-3,5-dicarboxylate (85%),
     which was converted to the 3,5-bis(methoxycarbonyl)-1,4-dihydro-2-
     pyridinylacetic acid deriv. (80%) and amidated with 1-(1-
     piperazinylmethyl)cyclohexanecarbonitrile.  In recombinant human
     bradykinin B2 receptor expressing CHO-K1 cells, I inhibited the binding
of
     bradykinin to its receptor sites with IC50 values of 1 nM to 50 nM.
IT   344434-95-3P
     RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT
     (Reactant or reagent)
        (preparation of 4-phenyl-2-thiazolylalkyl-1,4-dihydropyridine-3,5-
        dicarboxylates and analogs by reaction of benzylidenes with enamines
as
        bradykinin antagonists)
RN   344434-95-3  CAPLUS
CN   2-Thiazolepentanoic acid, α-[(2,6-dichlorophenyl)methylene]-β-
     oxo-, methyl ester  (CA INDEX NAME)
```



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REFERENCE COUNT:         3      THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS
                                RECORD. ALL CITATIONS AVAILABLE IN THE RE
FORMAT
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L3   ANSWER 68 OF 162  CAPLUS  COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER:        2001:185739  CAPLUS
DOCUMENT NUMBER:         134:237301
TITLE:                   Preparation of benzophenones and phenyl heteroaryl
                         ketones as inhibitors of reverse transcriptase
INVENTOR(S):             Andrews, Clarence Webster; Chan, Joseph Howing;
                         Freeman, George Andrew; Romines, Karen Rene; Tidwell,
                         Jeffrey H.
PATENT ASSIGNEE(S):      Glaxo Group Limited, UK; Pianetti, Pascal Maurice
                         Charles
SOURCE:                  PCT Int. Appl., 436 pp.
                         CODEN: PIXXD2
DOCUMENT TYPE:           Patent
LANGUAGE:                English
FAMILY ACC. NUM. COUNT:  1
PATENT INFORMATION:

     PATENT NO.          KIND   DATE        APPLICATION NO.         DATE
     ---------------     ----   --------    --------------------    --------
     WO 2001017982        A1    20010315    WO 2000-EP8487          20000831
         W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,
            CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR,
            HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT,
            LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU,
            SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN,
            YU, ZA, ZW
        RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY,
            DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ,
            CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG
     CA 2383782           A1    20010315    CA 2000-2383782         20000831
     BR 2000013771        A     20020514    BR 2000-13771           20000831
     EP 1208091           A1    20020529    EP 2000-967637          20000831
     EP 1208091           B1    20060503
         R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
            IE, SI, LT, LV, FI, RO, MK, CY, AL
     TR 200201187         T2    20020821    TR 2002-1187            20000831
     HU 2002002593        A2    20021228    HU 2002-2593            20000831
     JP 2003510252        T     20030318    JP 2001-521729          20000831
     JP 3739704           B2    20060125
     NZ 517451            A     20040130    NZ 2000-517451          20000831
     AU 770302            B2    20040219    AU 2000-77743           20000831
     CN 1636984           A     20050713    CN 2004-10095621        20000831
     CN 1636985           A     20050713    CN 2004-10095622        20000831
     CN 1636986           A     20050713    CN 2004-10097470        20000831
     AT 325106            T     20060615    AT 2000-967637          20000831
     EP 1710238           A1    20061011    EP 2006-75956           20000831
         R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
            IE, SI, FI, CY
     ES 2261242           T3    20061116    ES 2000-967637          20000831
     IN 2002KN00280       A     20050311    IN 2002-KN280           20020225
     ZA 2002001664        A     20030527    ZA 2002-1664            20020227
     NO 2002001042        A     20020430    NO 2002-1042            20020301
     NO 323156            B1    20070108
     MX 2002PA02347       A     20020812    MX 2002-PA2347          20020304
     US 7273863           B1    20070925    US 2002-70084           20020307
     JP 2006077019        A     20060323    JP 2005-272533          20050920
PRIORITY APPLN. INFO.:                      GB 1999-20872        A  19990904

                                            EP 2000-967637       A3 20000831
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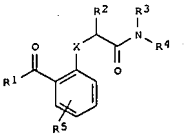
L3 ANSWER 68 OF 162 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)
JP 2001-521729 A3 20000831

WO 2000-EP8487 W 20000831

OTHER SOURCE(S): MARPAT 134:237301
GI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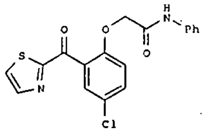
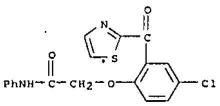

II

AB The title compds. [I; X = C, O, N; R1 = alkyl, cycloalkyl, (un)substituted aryl, etc.; R2 = H, halo, alkyl; R3, R4 = H, OH, (un)substituted heterocyclyl, etc.; R5 = H, halo, alkyl, etc.], useful in the treatment of HIV infections, were prepared E.g., a 4-step synthesis of the ketone II which showed IC50 of between 101 nM and 1,000 nM against HIV-1 in MT4 cell assay, was described.

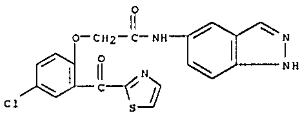
IT 329935-96-8P 329935-98-0P 329936-00-7P
329936-31-4P
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of benzophenones and Ph heteroaryl ketones as inhibitors of reverse transcriptase)

RN 329935-96-8 CAPLUS
CN Acetamide, 2-[4-chloro-2-(2-thiazolylcarbonyl)phenoxy]-N-phenyl- (CA INDEX NAME)

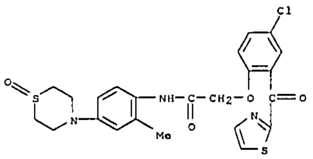


RN 329935-98-0 CAPLUS
CN Acetamide, 2-[4-chloro-2-(2-thiazolylcarbonyl)phenoxy]-N-1H-indazol-5-yl-

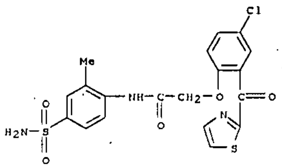
L3 ANSWER 68 OF 162 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)
(CA INDEX NAME)



RN 329936-00-7 CAPLUS
CN Acetamide, 2-[4-chloro-2-(2-thiazolylcarbonyl)phenoxy]-N-[2-methyl-4-(1-oxido-4-thiomorpholinyl)phenyl]- (CA INDEX NAME)



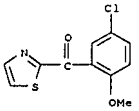
RN 329936-31-4 CAPLUS
CN Acetamide, N-[4-(aminosulfonyl)-2-methylphenyl]-2-[4-chloro-2-(2-thiazolylcarbonyl)phenoxy]- (CA INDEX NAME)



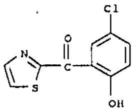
IT 329941-37-9P 329941-40-4P 329941-43-7P
329941-46-0P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation of benzophenones and Ph heteroaryl ketones as inhibitors of

L3 ANSWER 68 OF 162 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)
reverse transcriptase)

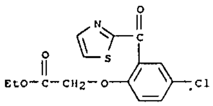
RN 329941-37-9 CAPLUS
CN Methanone, (5-chloro-2-methoxyphenyl)-2-thiazolyl- (CA INDEX NAME)



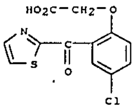
RN 329941-40-4 CAPLUS
CN Methanone, (5-chloro-2-hydroxyphenyl)-2-thiazolyl- (CA INDEX NAME)



RN 329941-43-7 CAPLUS
CN Acetic acid, [4-chloro-2-(2-thiazolylcarbonyl)phenoxy]-, ethyl ester (9CI) (CA INDEX NAME)



RN 329941-46-0 CAPLUS
CN Acetic acid, [4-chloro-2-(2-thiazolylcarbonyl)phenoxy]- (9CI) (CA INDEX NAME)



L3 ANSWER 68 OF 162 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)
REFERENCE COUNT: 8 THERE ARE 8 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

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L3   ANSWER 69 OF 162  CAPLUS  COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER:         2000:865365  CAPLUS
DOCUMENT NUMBER:          134:29419
TITLE:                    Method for preparation of 2,2-difluoro-2-
                          heterocyclylacetophenone derivatives as intermediates
                          for triazole fungicides
INVENTOR(S):              Sakamoto, Takao; Eto, Hiromichi; Kaneko, Yasushi;
                          Sato, Susumu
PATENT ASSIGNEE(S):       S. S. Pharmaceutical Co., Ltd., Japan
SOURCE:                   Jpn. Kokai Tokkyo Koho, 16 pp.
                          CODEN: JKXXAF
DOCUMENT TYPE:            Patent
LANGUAGE:                 Japanese
FAMILY ACC. NUM. COUNT:   1
PATENT INFORMATION:

     PATENT NO.          KIND   DATE        APPLICATION NO.         DATE
     ---------------     ----   --------    --------------------    --------
     JP 2000344744        A     20001212    JP 1999-157836          19990604
PRIORITY APPLN. INFO.:                      JP 1999-157836          19990604

OTHER SOURCE(S):          CASREACT 134:29419; MARPAT 134:29419
GI


* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY -  AVAILABLE VIA OFFLINE PRINT *

AB   The title compds. [I; Het = (un)substituted pyridyl, pyrimidinyl,
     pyrazolyl, thiazolyl, isoxazolyl, thienyl, furyl, quinolyl, indolyl,
     benzothiazolyl, benzoxazolyl, benzimidazolyl; X1, X2 = H, halo,
     perfluoroalkyl] are prepared by (1) reaction of 2,2-difluoro-2-
     heterocyclylacetic acid esters represented by formula HetCF2CO2R (R =
     lower alkyl, aryl, aralkyl) and halobenzenes (II; X1, X2 = same as above;
     X3 = halo) with organometallic compound or (2) oxidation of
     1-phenyl-2,2-difluoro-2-heterocyclylethanols (III; Het, X1, X2 = same as
     above).  I are useful as intermediates for fungicidal triazole derivs.
     (IV; Het, X1, X2 = same as above).  Thus, 1.37 M BuLi/hexane was added
     dropwise to a solution of 1-bromo-2,4-difluorobenzene in THF at -78°
     and stirred at the same temperature for 15 min, followed by adding a
solution of Et
     2,2-difluoro-2-(pyridin-2-yl)acetate (preparation given) in THF, and the
     resulting mixture was stirred at -78° for 1 h to give 78%
     1-(2,4-difluorophenyl)-2,2-difluoro-2-(pyridin-2-yl)-1-ethanone (V).
     Trimethylsulfoxonium iodide was stirred with NaH in THF/DMSO at
     50°, cooled to -20° and treated dropwise with a solution of V
     in THF, and stirred at room temperature for 1.5 h to give 2-[[2-(2,4-
     difluorophenyl)-2-oxiranyl]difluoromethyl]pyridine which was dissolved in
     DMF and stirred with 1,2,4-triazole and K2CO3 at room temperature for 12
h and
     at 50° for 1 h to give 41% 2-(2,4-difluorophenyl)-1,1-difluoro-1-(2-
     pyridyl)-3-(1H-1,2,4-triazol-1-yl)-2-propanol (VI).  VI at ≤0.125
     ng/mL in vitro inhibited Candida albicans and showed min. inhibitory
     concentration of 2 µg/mL against Aspergillus fumigatus and A. flavus.
IT   294182-15-3P 294182-25-5P
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L3   ANSWER 69 OF 162  CAPLUS  COPYRIGHT 2007 ACS on STN     (Continued)
     RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT
     (Reactant or reagent)
        (prepn. of fluoroheterocyclylacetophenone derivs. as intermediates for
        triazole fungicides by condensation of halobenzenes with
        difluoroheterocyclylacetic acid esters)
RN   294182-15-3  CAPLUS
CN   Ethanone, 2-(4-bromo-2-thiazolyl)-1-(2,4-difluorophenyl)-2,2-difluoro-
     (9CI)  (CA INDEX NAME)
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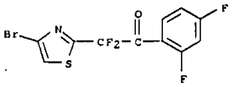

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RN   294182-25-5  CAPLUS
CN   Ethanone, 2-(2-benzothiazolyl)-1-(2,4-difluorophenyl)-2,2-difluoro- (9CI)
     (CA INDEX NAME)
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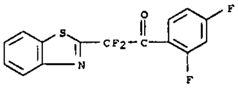

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L3   ANSWER 70 OF 162  CAPLUS  COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER:         2000:822983  CAPLUS
DOCUMENT NUMBER:          134:11428
TITLE:                    Silver halide color photographic material containing
                          color developer and coupler and image formation
INVENTOR(S):              Uchida, Osamu; Ishiwata, Yasuhiro; Katsumata, Taiji
PATENT ASSIGNEE(S):       Fuji Photo Film Co., Ltd., Japan
SOURCE:                   Jpn. Kokai Tokkyo Koho, 68 pp.
                          CODEN: JKXXAF
DOCUMENT TYPE:            Patent
LANGUAGE:                 Japanese
FAMILY ACC. NUM. COUNT:   1
PATENT INFORMATION:

     PATENT NO.          KIND   DATE        APPLICATION NO.         DATE
     ---------------     ----   --------    --------------------    --------
     JP 2000321736        A     20001124    JP 1999-127299          19990507
     US 6238856           B1    20010529    US 2000-566003          20000505
PRIORITY APPLN. INFO.:                      JP 1999-127299       A  19990507

OTHER SOURCE(S):          MARPAT 134:11428
GI
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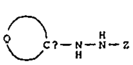
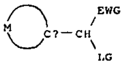


I



II

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AB   The material has a support and ≥1 hydrophilic colloid layer containing
     ≥1 hydrazine color developer I (Cα = carbons; Z = carbamoyl,
     acyl, alkoxycarbonyl, aryloxycarbonyl; Q = atoms required for forming an
     unsatd. ring with Cα) and ≥1 coupler II (Cβ = carbons;
     EWG = cyano, carbamoyl, alkoxycarbonyl; LG = group released by
     coupling-reaction with oxidation product of developer; M = atoms
required for
     forming 5-membered aromatic heterocyclic ring with Cβ).  Images are
     formed by (a) heat-developing the material, (b) developing the material
in
     the presence of alkali generated by poorly soluble metal salt and its
     complexing agent, or (c) developing the material with an alkaline
developer.
     The material showed improved color development to provide images with
     improved light; heat, and humidity stability.
IT   307930-71-8
     RL: TEM (Technical or engineered material use); USES (Uses)
        (yellow coupler; silver halide color photog. material involving
        hydrophilic layer containing hydrazine developer and coupler)
RN   307930-71-8  CAPLUS
CN   Octadecanamide,
N-[2-[2-(2-chlorophenyl)-1-(1H-imidazol-1-yl)-2-oxoethyl]-
     5-benzothiazolyl]-2-octyl- (9CI)  (CA INDEX NAME)
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L3   ANSWER 70 OF 162  CAPLUS  COPYRIGHT 2007 ACS on STN     (Continued)
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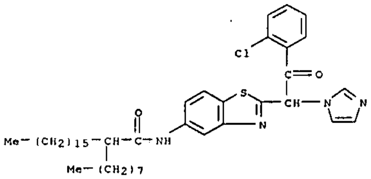

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L3   ANSWER 71 OF 162  CAPLUS  COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER:         2000:822980  CAPLUS
DOCUMENT NUMBER:          133:367806
TITLE:                    Silver halide color photographic material containing
                          specific coupler and image formation using same
INVENTOR(S):              Uchida, Osamu; Ishiwata, Yasuhiro; Katsumata, Taiji
PATENT ASSIGNEE(S):       Fuji Photo Film Co., Ltd., Japan
SOURCE:                   Jpn. Kokai Tokkyo Koho, 19 pp.
                          CODEN: JKXXAF
DOCUMENT TYPE:            Patent
LANGUAGE:                 Japanese
FAMILY ACC. NUM. COUNT:   1
PATENT INFORMATION:

     PATENT NO.          KIND    DATE          APPLICATION NO.          DATE
     ---------------     ----    --------      --------------------     --------
     JP 2000321732        A      20001124      JP 1999-127298           19990507
PRIORITY APPLN. INFO.:                         JP 1999-127298           19990507

OTHER SOURCE(S):          MARPAT 133:367806
GI
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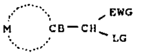

I

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AB   The title photog. material contains ≥1 coupler of the formula I
     (Cβ = C atom; EWG = CN, carbamoyl, alkoxycarbonyl; M = atoms required
     to form an aromatic heterocycle along with Cβ; LG = arylthio) in
     ≥1 of the hydrophilic colloid layers formed on a support.  The
     material is heat-developed or developed under such a condition that
alkali
     is generated by a slightly soluble metal salt and its complex-forming
agent
     or by developing an alkaline processing solution to form images.  The
couplers
     show high coloring properties and stability and provides high quality
     color images with high sharpness and storage stability.
IT   307932-90-7
     RL: DEV (Device component use); USES (Uses)
        (photog. coupler having arylthio group)
RN   307932-90-7  CAPLUS
CN   2-Benzothiazoleacetamide, α-[[2-(acetylamino)phenyl]thio]-N-[2-
     (dodecyloxy)phenyl]- (9CI)  (CA INDEX NAME)
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L3   ANSWER 71 OF 162  CAPLUS  COPYRIGHT 2007 ACS on STN      (Continued)
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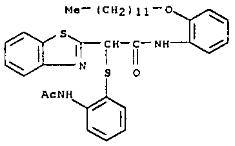

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L3   ANSWER 72 OF 162  CAPLUS  COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER:         2000:725652  CAPLUS
DOCUMENT NUMBER:          133:296659
TITLE:                    Preparation of macrocyclic peptides active against
the
                          hepatitis C virus
INVENTOR(S):              Tsantrizos, Youla S.; Cameron, Dale R.; Faucher,
                          Anne-marie; Ghiro, Elise; Goudreau, Nathalie; Halmos,
                          Teddy; Llinas-brunet, Montse
PATENT ASSIGNEE(S):       Boehringer Ingelheim (Canada) Ltd., Can.
SOURCE:                   PCT Int. Appl., 154 pp.
                          CODEN: PIXXD2
DOCUMENT TYPE:            Patent
LANGUAGE:                 English
FAMILY ACC. NUM. COUNT:   2
PATENT INFORMATION:

     PATENT NO.          KIND    DATE          APPLICATION NO.          DATE
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     WO 2000059929        A1     20001012      WO 2000-CA353            20000403
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             CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU,
             ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU,
             LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE,
             SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA,
ZW
         RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE,
             DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF,
             CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG
     CA 2367127           A1     20001012      CA 2000-2367127          20000403
     CA 2367127           C      20050118
     EP 1169339           A1     20020109      EP 2000-913999           20000403
     EP 1169339           B1     20040929
         R:  AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
             IE, SI, LT, LV, FI, RO
     BR 2000009599        A      20020115      BR 2000-9599             20000403
     TR 200102878         T2     20020121      TR 2001-2878             20000403
     JP 2002542160        T      20021210      JP 2000-609439           20000403
     JP 3754298           B2     20060308
     EE 200100516         A      20021216      EE 2001-516              20000403
     EE 4816              B1     20070416
     HU 2003000121        A2     20030628      HU 2003-121              20000403
     HU 2003000121        A3     20040728
     NZ 515286            A      20040227      NZ 2000-515286           20000403
     EP 1437362           A1     20040714      EP 2004-9264             20000403
         R:  AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
             IE, SI, LT, LV, FI, RO, CY
     AT 277945            T      20041015      AT 2000-913999           20000403
     AU 778390            B2     20041202      AU 2000-35480            20000403
     PT 1169339           T      20041231      PT 2000-913999           20000403
     RU 2247126           C2     20050227      RU 2001-129709           20000403
     ES 2230084           T3     20050501      ES 2000-913999           20000403
     CN 1618789           A      20050525      CN 2004-10055820         20000403
     IN 2001MN01137       A      20050304      IN 2001-MN1137           20010919
     ZA 2001007862        A      20040401      ZA 2001-7862             20010925
     BG 105970            A      20020531      BG 2001-105970           20011002
     HR 2001000720        A1     20021231      HR 2001-720              20011004
     NO 2001004857        A      20011031      NO 2001-4857             20011005
     MX 2001PA10090       A      20020424      MX 2001-PA10090          20011005
     HK 1042714           A1     20050401      HK 2002-104507           20020618
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L3   ANSWER 72 OF 162  CAPLUS  COPYRIGHT 2007 ACS on STN      (Continued)
PRIORITY APPLN. INFO.:                     US 1999-128011P      P  19990406

                                           EP 2000-913999       A3 20000403

                                           WO 2000-CA353        W  20000403

OTHER SOURCE(S):          MARPAT 133:296659
GI
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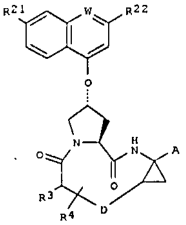

I

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AB   Macrocyclic peptides I [W = CH or N; R21 = H, halo, alkyl, cycloalkyl,
     haloalkyl, alkoxy, cycloalkoxy, hydroxy, or an amino group; R22 = H,
halo,
     alkyl, cycloalkyl, haloalkyl, thioalkyl, alkoxy, cycloalkoxy,
alkoxyalkyl,
     cycloalkyl, aryl or heteroaryl; R3 = hydroxy, NH2, aryl- or
     heteroarylamino, NHCOR32, CONHR32, CO2R32, where R32 is alkyl or
     cycloalkyl; D is a 5 to 10-atom saturated or unsatd. alkylene chain
optionally
     containing one to three heteroatoms independently selected from: O, S,
or NH
     or substituted imino; R4 = H or from one to three substituents at any
     carbon atom of chain D; A is an amide or carboxylic acid group or a
     pharmaceutically acceptable salt or ester; two diastereomers may exist at
     the cyclopropane moiety] were prepared which are active in-vitro and in
     cellular assays against the NS3 protease of the hepatitis C virus .
Thus,
     macrocyclic peptide I [W = N; R21, R22, R4 = H; A = CO2H; R3CH-D =
     (S)-(Me3CO2CNH)CH(CH2)3CH:CH(CH2)2-E (syn to acid)] was prepared and
showed
     IC50 > 0.1 μM in the full-length NS3-NS4A heterodimer protein
     fluorogenic assay.
IT   300831-07-6P
     RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT
     (Reactant or reagent)
        (preparation of macrocyclic peptides active against the hepatitis C
virus)
RN   300831-07-6  CAPLUS
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L3   ANSWER 72 OF 162  CAPLUS  COPYRIGHT 2007 ACS on STN     (Continued)
CN   2-Thiazolecarboxamide, N-(2-acetyl-5-methoxyphenyl)-4-(1-methylethyl)-
     (9CI)  (CA INDEX NAME)
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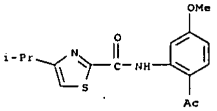

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REFERENCE COUNT:            1      THERE ARE 1 CITED REFERENCES AVAILABLE FOR THIS
                                   RECORD. ALL CITATIONS AVAILABLE IN THE RE
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L3   ANSWER 73 OF 162  CAPLUS  COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER:         2000:477423  CAPLUS
DOCUMENT NUMBER:          133:237927
TITLE:                    New antifungal 1,2,4-triazoles with
                          difluoro(heteroaryl)methyl moiety
AUTHOR(S):                Eto, Hiromichi; Kaneko, Yasushi; Sakamoto, Takao
CORPORATE SOURCE:         Central Research Labs., SS Pharmaceutical Co., Ltd.,
                          Chiba, 286-8511, Japan
SOURCE:                   Chemical & Pharmaceutical Bulletin (2000), 48(7),
                          982-990
                          CODEN: CPBTAL; ISSN: 0009-2363
PUBLISHER:                Pharmaceutical Society of Japan
DOCUMENT TYPE:            Journal
LANGUAGE:                 English
AB   New 1,2,4-triazoles having a difluoro(heteroaryl)methyl moiety were
     designed and synthesized via 1-aryl-2,2-difluoro-2-(heteroaryl)ethanones,
     which were prepared by two routes starting from the reaction of Et
     2,2-difluoro(heteroaryl)acetate with phenyllithiums and from the reaction
     of chlorodifluoro(heteroaryl)methane with benzaldehydes.  The compds.
show
     antifungal activities against yeasts and filamentous fungi in vitro,
especially
     (+)-1,1-difluoro-2-(2,4-difluorophenyl)-1-(2-thienyl)-3-(1,2,4-triazol-1-
     yl)-2-propanol have equal or superior activities compared to those of
     itraconazole.
IT   294182-15-3P 294182-25-5P
     RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT
     (Reactant or reagent)
        (preparation and epoxidn. with trimethylsulfoxonium iodide)
RN   294182-15-3  CAPLUS
CN   Ethanone, 2-(4-bromo-2-thiazolyl)-1-(2,4-difluorophenyl)-2,2-difluoro-
     (9CI)  (CA INDEX NAME)
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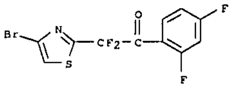

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RN   294182-25-5  CAPLUS
CN   Ethanone, 2-(2-benzothiazolyl)-1-(2,4-difluorophenyl)-2,2-difluoro- (9CI)
     (CA INDEX NAME)
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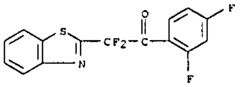

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REFERENCE COUNT:          19     THERE ARE 19 CITED REFERENCES AVAILABLE FOR
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L3   ANSWER 73 OF 162  CAPLUS  COPYRIGHT 2007 ACS on STN     (Continued)
                                   RECORD. ALL CITATIONS AVAILABLE IN THE RE
FORMAT
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L3   ANSWER 74 OF 162  CAPLUS  COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER:         2000:421088  CAPLUS
DOCUMENT NUMBER:          133:58615
TITLE:                    Substituted aryl and heteroaryl derivatives of
                          benzamidine and their use as antithrombics
INVENTOR(S):              Priepke, Henning; Kauftmann, Iris; Hauel, Norbert;
                          Ries, Uwe; Nar, Herbert; Stassen, Jean Marie; Wienen,
                          Wolfgang
PATENT ASSIGNEE(S):       Boehringer Ingelheim Pharma Kg, Germany
SOURCE:                   PCT Int. Appl., 178 pp.
                          CODEN: PIXXD2
DOCUMENT TYPE:            Patent
LANGUAGE:                 German
FAMILY ACC. NUM. COUNT:   1
PATENT INFORMATION:

     PATENT NO.          KIND    DATE        APPLICATION NO.         DATE
     ---------------     ----    --------    --------------------    --------
     WO 2000035859        A1     20000622    WO 1999-EP9921          19991213
         W:  AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ,
             DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS,
             JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK,
             MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ,
             TM, TR, TT, UA, UG, US, UZ, VN, YU, ZA, ZW
         RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE,
             DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF,
             CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG
     DE 19858029          A1     20000621    DE 1998-19858029        19981216
     DE 19948101          A1     20010412    DE 1999-19948101        19991007
     CA 2353151           A1     20000622    CA 1999-2353151         19991213
     EP 1140802           A1     20011010    EP 1999-965464          19991213
     EP 1140802           B1     20040317
         R:  AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
             IE, SI, LT, LV, FI, RO
     JP 2002532460        T      20021002    JP 2000-588121          19991213
     JP 3827530           B2     20060927
     AT 261934            T      20040415    AT 1999-965464          19991213
     MX 2001PA06088       A      20020108    MX 2001-PA6088          20010615
     US 6479524           B1     20021112    US 2001-868428          20011018
PRIORITY APPLN. INFO.:                       DE 1998-19858029     A  19981216

                                             DE 1999-19948101     A  19991007

                                             WO 1999-EP9921       W  19991213

OTHER SOURCE(S):          MARPAT 133:58615
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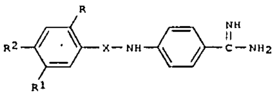


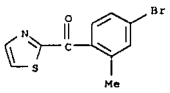
I

L3 ANSWER 74 OF 162 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

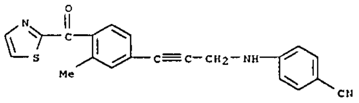
AB Aryl and heteroaryl derivs. of benzamidine Ar-A-HCR1-X-Y, such as I [R = Me, H; R1 = CH2CO2Me, Me; R2 = 2-methylpyrrolidinocarbonyl, COCHMe2, N-methyl-N-2-pyridylcarbonyl, pyrrolidinocarbonyl, N(CO2Et)CH2CH2CO2Me, N(CHMe2)NHCH2CO2H, N(CHMe2)COCH2CO2H; X = CH2C.tplbond.C, (CH2)3] were prepared for use as antithrombics. Thus, I [R = Me, R1 = CH2CO2Me, R2 = 2-methylpyrrolidinocarbonyl, X = CH2C.tplbond.C, II] was prepared from the propargylbenzamidine and pyrrolidinocarbonylphenyl bromide fragments. II had an ED200 in the a-PTT time of 0.23 μM.

IT 276677-08-8P 276677-09-9P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation of substituted aryl and heteroaryl derivs. of benzamidine and their use as antithrombics)

RN 276677-08-8 CAPLUS
CN Methanone, (4-bromo-2-methylphenyl)-2-thiazolyl- (9CI) (CA INDEX NAME)



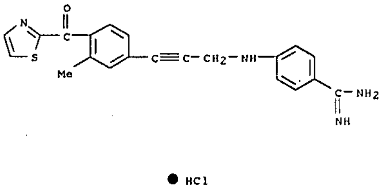
RN 276677-09-9 CAPLUS
CN Benzonitrile, 4-[[3-[3-methyl-4-(2-thiazolylcarbonyl)phenyl]-2-propynyl]amino]- (9CI) (CA INDEX NAME)



IT 276673-53-1P
RL: SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of substituted aryl and heteroaryl derivs. of benzamidine and their use as antithrombics)

RN 276673-53-1 CAPLUS
CN Benzenecarboximidamide, 4-[[3-[3-methyl-4-(2-thiazolylcarbonyl)phenyl]-2-propynyl]amino]-, monohydrochloride (9CI) (CA INDEX NAME)

L3 ANSWER 74 OF 162 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



REFERENCE COUNT: 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

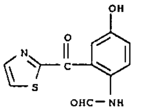
L3 ANSWER 75 OF 162 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER:	2000:80860 CAPLUS
DOCUMENT NUMBER:	132:219337
TITLE:	Biotransformation of the phytoalexin camalexin by the phytopathogen Rhizoctonia solani
AUTHOR(S):	Soledade, M.; Pedras, C.; Khan, Abdul Q.
CORPORATE SOURCE:	Department of Chemistry, University of Saskatchewan, Saskatoon, SK, S7N 5C9, Can.
SOURCE:	Phytochemistry (2000), 53(1), 59-69 CODEN: PYTCAS; ISSN: 0031-9422
PUBLISHER:	Elsevier Science Ltd.
DOCUMENT TYPE:	Journal
LANGUAGE:	English

AB The unusual metabolism of the cruciferous phytoalexin camalexin by virulent and weakly virulent isolates of the root rot fungus Rhizoctonia solani Kuhn is reported. This biotransformation proceeded via 5-hydroxycamalexin, which was further biotransformed into more polar metabolites. Importantly, the metabolites resulting from transformation of camalexin were significantly less toxic to the pathogen than camalexin.
Thus, it was concluded that R. solani can detoxify camalexin through oxidation of the indole ring. The chemical involved in the structure determination of the intermediates of this pathway, their synthesis as well as their antifungal activity are described.

IT 197512-22-4P
RL: BPR (Biological process); BSU (Biological study, unclassified); MFM (Metabolic formation); PRP (Properties); SPN (Synthetic preparation); BIOL (Biological study); FORM (Formation, nonpreparative); PREP (Preparation); PROC (Process)
(biotransformation of phytoalexin camalexin by phytopathogen Rhizoctonia solani)

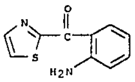
RN 197512-22-4 CAPLUS
CN Formamide, N-[4-hydroxy-2-(2-thiazolylcarbonyl)phenyl]- (9CI) (CA INDEX NAME)



IT 39254-87-0P
RL: PRP (Properties); SPN (Synthetic preparation); PREP (Preparation)
(preparation and properties of)

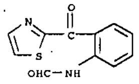
RN 39254-87-0 CAPLUS
CN Methanone, (2-aminophenyl)-2-thiazolyl- (9CI) (CA INDEX NAME)

L3 ANSWER 75 OF 162 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



IT 161988-57-4
RL: PRP (Properties)
(properties of)

RN 161988-57-4 CAPLUS
CN Formamide, N-[2-(2-thiazolylcarbonyl)phenyl]- (9CI) (CA INDEX NAME)



REFERENCE COUNT: 22 THERE ARE 22 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

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L3   ANSWER 76 OF 162  CAPLUS  COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER:         1999:819351  CAPLUS
DOCUMENT NUMBER:          132:64532
TITLE:                    Preparation of cyclic amino acid compounds for
                          inhibiting β-amyloid peptide release and/or its
                          synthesis
INVENTOR(S):              Audia, James E.; Porter, Warren J.; Thompson, Richard
                          C.; Wilkie, Stephen C.; Stack, Douglas R.; Shi, Qing
PATENT ASSIGNEE(S):       Elan Pharmaceuticals, Inc., USA; Eli Lilly & Company
SOURCE:                   PCT Int. Appl., 287 pp.
                          CODEN: PIXXD2
DOCUMENT TYPE:            Patent
LANGUAGE:                 English
FAMILY ACC. NUM. COUNT:   4
PATENT INFORMATION:

     PATENT NO.          KIND   DATE        APPLICATION NO.          DATE
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     WO 9967219           A1    19991229    WO 1999-US14096          19990622
         W:  AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE,
             DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP,
             KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN,
             MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM,
             TR, TT, UA, UG, US, UZ, VN, YU, ZA, ZW
         RW: GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, DE, DK,
             ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG,
             CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG
     CA 2324474           A1    19991229    CA 1999-2324474          19990622
     AU 9947079           A     20000110    AU 1999-47079            19990622
     EP 1089977           A1    20010411    EP 1999-930566           19990622
         R:  AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
             IE, FI
     JP 2002518481        T     20020625    JP 2000-555873           19990622
     US 6552013           B1    20030422    US 1999-338121           19990622
     US 2003149022        A1    20030807    US 2002-326081           20021223
     US 6838455           B2    20050104
     US 2005192265        A1    20050901    US 2004-2922             20041203
PRIORITY APPLN. INFO.:                      US 1998-102507        A2 19980622

                                            US 1998-150704P       P  19980930

                                            US 1998-162757        A2 19980930

                                            US 1998-160067P       P  19980622

                                            US 1999-338121        A3 19990622

                                            WO 1999-US14096       W  19990622

                                            US 2003-392332        A3 20030320

OTHER SOURCE(S):          MARPAT 132:64532
AB   Compds. R1ZNH(Y)nW [W is a fused ring system, e.g., benzo- or
     dibenzoazepinones or -diazepinones; Y = CHR2CONH, where R2 =
     (un)substituted alkyl, alkenyl, or alkynyl, cycloalkyl, aryl, heteroaryl,
     heterocyclyl; R1 = (un)substituted alkyl, alkenyl, cycloalkyl, or
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L3   ANSWER 76 OF 162  CAPLUS  COPYRIGHT 2007 ACS on STN      (Continued)
     cycloalkenyl, aryl, heteroaryl, heterocyclyl; Z is represented by
     -T-CX'X''V- where T is selected from the group consisting of a bond
     covalently linking R1 to -CX'X''-, oxygen, sulfur and -NR6 (R6 = H, acyl,
     alkyl, aryl, heteroaryl), X' is H, OH, F, X'' is H, OH, F or X' and X''
     together form an oxo group, V is alkylene or substituted alkylene or R1
     and Z together form aryl or (un)substituted cycloalkyl, cycloalkenyl, or
     heterocyclyl; n = 1 or 2] were prepd. for inhibition of β-amyloid
     peptide release and/or its synthesis.  Thus, 5-(S)-[N'-[2-(3,5-
     difluorophenyl)ethyl]-L-alaninyl]amino-7-methyl-5,7-dihydro-6H-
     dibenz[b,d]azepin-6-one was prepd. by reductive alkylation of
     5-(S)-(L-alaninyl)amino-7-methyl-5,7-dihydro-6H-dibenz[b,d]azepin-6-one
     hydrochloride with 3,5-difluorophenylacetaldehyde using sodium
     cyanoborohydride.  Compds. of the invention inhibit β-amyloid peptide
     prodn. by at least 30% as compared to the control when employed at 10
     μg/mL.
IT   39254-87-0
     RL: RCT (Reactant); RACT (Reactant or reagent)
        (preparation of cyclic amino acid compds. for inhibiting β-amyloid
        peptide release)
RN   39254-87-0  CAPLUS
CN   Methanone, (2-aminophenyl)-2-thiazolyl- (9CI)  (CA INDEX NAME)
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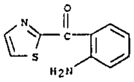

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REFERENCE COUNT:          5     THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS
                                RECORD. ALL CITATIONS AVAILABLE IN THE RE
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L3   ANSWER 77 OF 162  CAPLUS  COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER:         1999:819249  CAPLUS
DOCUMENT NUMBER:          132:64531
TITLE:                    Preparation of cyclic amino acid compounds for
                          inhibiting β-amyloid peptide release and/or its
                          synthesis
INVENTOR(S):              Audia, James E.; Dressman, Bruce A.; Shi, Qing
PATENT ASSIGNEE(S):       Elan Pharmaceuticals, Inc., USA; Eli Lilly & Company
SOURCE:                   PCT Int. Appl., 256 pp.
                          CODEN: PIXXD2
DOCUMENT TYPE:            Patent
LANGUAGE:                 English
FAMILY ACC. NUM. COUNT:   4
PATENT INFORMATION:

     PATENT NO.          KIND   DATE        APPLICATION NO.          DATE
     ---------------     ----   --------    --------------------     --------
     WO 9966934           A1    19991229    WO 1999-US14211          19990622
         W:  AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ,
             DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS,
             JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK,
             MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ,
             TM, TR, TT, UA, UG, US, UZ, VN, YU, ZA, ZW
         RW: GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, DE, DK,
             ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG,
             CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG
     CA 2324475           A1    19991229    CA 1999-2324475          19990622
     AU 9947104           A     20000110    AU 1999-47104            19990622
     EP 1093372           A1    20010425    EP 1999-930600           19990622
         R:  AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
             IE, FI
     JP 2002518451        T     20020625    JP 2000-555620           19990622
     US 2005192265        A1    20050901    US 2004-2922             20041203
PRIORITY APPLN. INFO.:                      US 1998-102507        A2 19980622

                                            US 1998-164451        A2 19980930

                                            WO 1999-US14211       W  19990622

                                            US 2003-392332        A3 20030320

OTHER SOURCE(S):          MARPAT 132:64531
AB   Compds. R'R''NCHR1CONH(Y)nW and R':NC(:R1)CONH(Y)nW [W is a fused ring
     system, e.g., benzo- or dibenzoazepinones or -diazepinones; Y = CHR2CONH,
     where R2 = (un)substituted alkyl, alkenyl, or alkynyl, cycloalkyl, aryl,
     heteroaryl, heterocyclyl; R1 and R' form a nitrogen-containing
heterocycle;
     R'' = H, alkyl, substituted alkyl, aryl; n = 1 or 2] were prepared for
     inhibition of β-amyloid peptide release and/or its synthesis.  Thus,
     5-(S)-[N'-(L-prolyl)-L-alaninyl]amino-7-methyl-5,7-dihydro-6H-
     dibenz[b,d]azepin-6-one was prepared via coupling of N-(N'-tert-
     butoxycarbonyl-L-prolyl)-L-alanine with 5-(S)-amino-7-methyl-5,7-dihydro-
     6H-dibenz[b,d]azepin-6-one.  Compds. of the invention inhibit
     β-amyloid peptide production by at least 30% as compared to the control
     when employed at 10 μg/mL.
IT   39254-87-0
     RL: RCT (Reactant); RACT (Reactant or reagent)
        (preparation of cyclic amino acid compds. for inhibiting β-amyloid
        peptide release)
RN   39254-87-0  CAPLUS
```

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L3   ANSWER 77 OF 162  CAPLUS  COPYRIGHT 2007 ACS on STN      (Continued)
CN   Methanone, (2-aminophenyl)-2-thiazolyl- (9CI)  (CA INDEX NAME)
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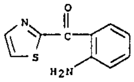

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REFERENCE COUNT:          1     THERE ARE 1 CITED REFERENCES AVAILABLE FOR THIS
                                RECORD. ALL CITATIONS AVAILABLE IN THE RE
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L3   ANSWER 78 OF 162  CAPLUS  COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER:         1999:446307  CAPLUS
DOCUMENT NUMBER:          131:199588
TITLE:                    Ethyl 5-chloro-3-phenylindole-2-carboxylate
                          (1H-indole-2-carboxylic acid, 5-chloro-3-phenyl-,
                          ethyl ester)
AUTHOR(S):                Furstner, Alois; Hupperts, Achim; Seidel, Gunter
CORPORATE SOURCE:         Max-Planck-Institut fur Kohlenforschung, Mulheim a.
d.
                          Ruhr, D-45470, Germany
SOURCE:                   Organic Syntheses (1999), 76, 142-150
                          CODEN: ORSYAT; ISSN: 0078-6209
PUBLISHER:                John Wiley & Sons, Inc.
DOCUMENT TYPE:            Journal
LANGUAGE:                 English
OTHER SOURCE(S):          CASREACT 131:199588
AB   The title compound was prepared by acylation of
2-amino-5-chlorobenzophenone
     with Et oxalyl chloride, followed by reductive cyclization with TiCl3-Zn.
     The reductive cyclization reaction was used to prepare several other
     indoles.
IT   161988-57-4
     RL:. RCT (Reactant); RACT (Reactant or reagent)
        (preparation of indoles by reductive cyclization of N-(acylphenyl)
amides)
RN   161988-57-4  CAPLUS
CN   Formamide, N-[2-(2-thiazolylcarbonyl)phenyl]- (9CI)  (CA INDEX NAME)
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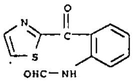

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REFERENCE COUNT:          11    THERE ARE 11 CITED REFERENCES AVAILABLE FOR
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                                RECORD. ALL CITATIONS AVAILABLE IN THE RE
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L3   ANSWER 79 OF 162  CAPLUS  COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER:         1999:390374  CAPLUS
DOCUMENT NUMBER:          131:44810
TITLE:                    Preparation of naphthyridines and thiazolopyridines
as
                          antiviral agents
INVENTOR(S):              Bedard, Jean; Rando, Robert; Lavallee, Jean-Francois;
                          Falardeau, Guy
PATENT ASSIGNEE(S):       Biochem Pharma Inc., Can.
SOURCE:                   PCT Int. Appl., 96 pp.
                          CODEN: PIXXD2
DOCUMENT TYPE:            Patent
LANGUAGE:                 English
FAMILY ACC. NUM. COUNT:   1
PATENT INFORMATION:

     PATENT NO.          KIND    DATE         APPLICATION NO.         DATE
     ---------------     ----    --------     --------------------    --------
     WO 9929318           A1     19990617     WO 1998-CA1166          19981211
         W:  AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE,
             DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP,
             KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN,
             MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM,
             TR, TT, UA, UG, US, UZ, VN, YU, ZW
         RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES,
             FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI,
             CM, GA, GN, GW, ML, MR, NE, SN, TD, TG
     CA 2314408           A1     19990617     CA 1998-2314408         19981211
     AU 9916579           A      19990628     AU 1999-16579           19981211
     AU 740745            B2     20011115
     EP 1037633           A1     20000927     EP 1998-960978          19981211
     EP 1037633           B1     20030910
         R:  AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
             IE, SI, LT, LV, FI, RO
     BR 9815166           A      20001010     BR 1998-15166           19981211
     US 6255318           B1     20010703     US 1998-209485          19981211
     JP 2001525365        T      20011211     JP 2000-523989          19981211
     AT 249219            T      20030915     AT 1998-960978          19981211
     MX 2000PA05750       A      20020311     MX 2000-PA5750          20000609
     US 2001031765        A1     20011018     US 2001-775571          20010205
     US 6534520           B2     20030318
PRIORITY APPLN. INFO.:                        US 1997-69331P       P  19971211

                                              US 1998-209485       A3 19981211

                                              WO 1998-CA1166       W  19981211

GI
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L3   ANSWER 79 OF 162  CAPLUS  COPYRIGHT 2007 ACS on STN     (Continued)
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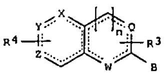

I

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AB   The title compds. I [W = CH, CR3, CH2, CO, N, etc.; one of X, Y, and Z is
     N or NR5 while the other two are CH, CR4, CH2, CO, CHR4; Q = CH, CR3,
CH2,
     CO, CHR3, N, NR5, O; B = C(A)NR1R2, NR2'C(A)R1, NR2'C(A)NR1R2 and A = O,
     N, S], antiviral agents, were prepared  E.g., N-(2-methylbenzyl)-2-
     [1,6]naphthyridinecarboxamide was prepared  Among the antiviral
activities
     were those determined with HSV-1, HSV-2, influenza B, adenovirus, and
HIVROJO.
IT   227199-37-3P 227199-38-4P
     RL: BAC (Biological activity or effector, except adverse); BSU
(Biological
     study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use);
     BIOL (Biological study); PREP (Preparation); USES (Uses)
        (preparation of naphthyridines and thiazolopyridines as antiviral
agents)
RN   227199-37-3  CAPLUS
CN   Thiazolo[5,4-c]pyridine-2-carboxamide, N-[(2-methoxyphenyl)methyl]- (9CI)
     (CA INDEX NAME)
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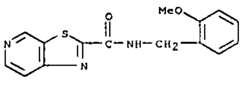

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RN   227199-38-4  CAPLUS
CN   Thiazolo[5,4-c]pyridine-2-carboxamide, N-[[2-(1-
     methylethoxy)phenyl]methyl]- (9CI)  (CA INDEX NAME)
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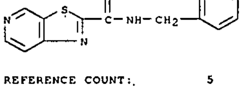

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REFERENCE COUNT:          5     THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS
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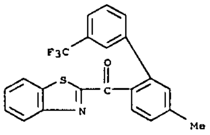
L3   ANSWER 80 OF 162  CAPLUS  COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER:         1999:297891  CAPLUS
DOCUMENT NUMBER:          130:334085
TITLE:                    Inhibition of Narcissus pseudonarcissus phytoene
                          desaturase by herbicidal 3-trifluoromethyl-1,1'-
                          biphenyl derivatives
AUTHOR(S):                Laber, Bernd; Usunow, Gerlinde; Wiecko, Elzbieta;
                          Franke, Wilfried; Franke, Heinrich; Kohn, Arnim
CORPORATE SOURCE:         Biochemical Research, Hoechst Schering AgrEvo GmbH,
                          Frankfurt am Main, D-65926, Germany
SOURCE:                   Pesticide Biochemistry and Physiology (1999), 63(3),
                          173-184
                          CODEN: PCBPBS; ISSN: 0048-3575
PUBLISHER:                Academic Press
DOCUMENT TYPE:            Journal
LANGUAGE:                 English
AB   A synthesis program directed to the discovery of novel bleaching
     herbicides led to the preparation of substituted 3-trifluoromethyl-1,1'-
     benzoxazoles and 3-trifluoromethyl-1,1'-biphenyls with thiazole-,
     thiadiazole-, and benzthiazole substituents (synthesis outlined).  These
     compds. interfere with the biosynthesis of carotenoids by inhibiting
     phytoene desaturase.  IC50 values for inhibition of phytoene desaturase
     have been determined for 62 derivs.  Several new compds. were found that
     inhibited phytoene desaturase up to 400-fold more potently than the com.
     bleaching herbicide norflurazon.  The derived relationships between
chemical
     structure and enzyme inhibition were used to generate a model of the
     proposed herbicide binding site.  The implication that phytoene
desaturase
     is the target site for the substituted 3-trifluoromethyl-1,1'-benzoxazole
     and biphenyl classes of herbicides is supported by a significant
     correlation of the IC50 values for inhibition of phytoene desaturase with
     the biol. activity in preemergence upland tests in the greenhouse.  (c)
     1999 Academic Press.
IT   224429-04-3
     RL: AGR (Agricultural use); BAC (Biological activity or effector, except
     adverse); BSU (Biological study, unclassified); BIOL (Biological study);
     USES (Uses)
        (phytoene desaturase-inhibiting herbicide)
RN   224429-04-3  CAPLUS
CN   Methanone,
2-benzothiazolyl[5-methyl-3'-(trifluoromethyl)[1,1'-biphenyl]-2-
     yl]- (9CI)  (CA INDEX NAME)
```



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REFERENCE COUNT:          28    THERE ARE 28 CITED REFERENCES AVAILABLE FOR
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                                RECORD. ALL CITATIONS AVAILABLE IN THE RE
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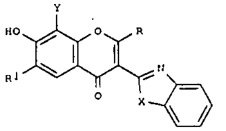
L3 ANSWER 80 OF 162 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

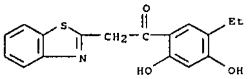
L3 ANSWER 81 OF 162 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1999:205801 CAPLUS
DOCUMENT NUMBER: 130:282026
TITLE: Chemistry of the hetero analogs of isoflavones. 22. Mannich reaction in the benzimidazole and benzothiazole analogs of isoflavones
AUTHOR(S): Frasinyuk, M. S.; Turov, A. V.; Khilya, V. P.
CORPORATE SOURCE: Taras Shevchenko Kiev University, Kiev, Ukraine
SOURCE: Chemistry of Heterocyclic Compounds (New York)(Translation of Khimiya Geterotsiklicheskikh Soedinenii) (1999), Volume Date 1998, 34(8), 923-928
CODEN: CHCCAL; ISSN: 0009-3122
PUBLISHER: Consultants Bureau
DOCUMENT TYPE: Journal
LANGUAGE: English
OTHER SOURCE(S): CASREACT 130:282026
GI



I

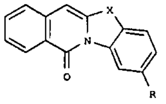
AB New 3-(2-benzothiazolyl)chromones I (R = H, CF3, Me, R1 = Et, Y = H) were obtained by the reaction of 2-(2,4-dihydroxy-5-ethylphenacyl)benzothiazole with tri-Et orthoformate or carboxylic acid anhydrides. Aminomethylation of the chromones and also of familiar 3-(2-benzimidazolyl)chromones I (R = H, CF3, Me, R1 = Et, Pr, X = S, Y = H; R = H, Me, R1 = Et, X = NMe, NH, Y = H) by substituted 1,1-diaminomethanes gave Mannich bases I (Y = CH2NR2R3 [R2 = R3 = Me, Et; R2R3 = CH2CH2OCH2CH2, (CH2)5]).
IT 222715-96-0P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(aminomethylation of benzimidazolyl and benzothiazolyl-chromones prepared via phenacylbenzothiazole and chromone acetate derivs.)
RN 222715-96-0 CAPLUS
CN Ethanone, 2-(2-benzothiazolyl)-1-(5-ethyl-2,4-dihydroxyphenyl)- (9CI) (CA INDEX NAME)

L3 ANSWER 81 OF 162 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



REFERENCE COUNT: 8 THERE ARE 8 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 82 OF 162 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1999:118489 CAPLUS
DOCUMENT NUMBER: 130:223209
TITLE: Singlet oxygen reactions of benzannelated isoquinolinones
AUTHOR(S): Ling, Ke-Qing; Cai, Hu; Ye, Jia-Hai; Xu, Jian-Hua
CORPORATE SOURCE: Department of Chemistry, Nanjing University, Nanjing, 210093, Peop. Rep. China
SOURCE: Tetrahedron (1999), 55(6), 1707-1716
CODEN: TETRAB; ISSN: 0040-4020
PUBLISHER: Elsevier Science Ltd.
DOCUMENT TYPE: Journal
LANGUAGE: English
GI



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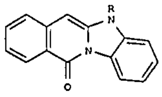

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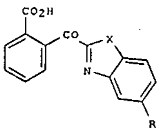
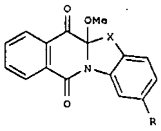


III



IV

AB Tetraphenylporphin (TPP) or methylene blue (MB) sensitized photooxygenation reactions of benzannelated isoquinolinones I (X = O, S; R = H, MeO, Me, Cl) and II (R = H, Me, Ac, CH2CH2OH) took place by initial attack of singlet oxygen on the enol ether-enamine C:C double bond and proceeded via zwitterionic and endoperoxidic intermediates. The product for I was III exclusively in MeCN, and III and the solvent trapping products IV in MeOH. Products obtained from II were also identified. Intramol. trapping of the zwitterionic intermediate during the singlet oxygen reaction of II (R = CH2CH2OH) was also observed
IT 32137-77-2P
RL: SPN (Synthetic preparation); PREP (Preparation)
(sensitized photooxygenation reactions of benzannelated isoquinolinones)
RN 32137-77-2 CAPLUS
CN Benzoic acid, 2-(2-benzothiazolylcarbonyl)- (9CI) (CA INDEX NAME)

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L3   ANSWER 82 OF 162  CAPLUS  COPYRIGHT 2007 ACS on STN      (Continued)
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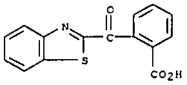

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REFERENCE COUNT:          19     THERE ARE 19 CITED REFERENCES AVAILABLE FOR
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                                 RECORD. ALL CITATIONS AVAILABLE IN THE RE
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L3   ANSWER 83 OF 162  CAPLUS  COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER:         1999:113656  CAPLUS
DOCUMENT NUMBER:          130:168387
TITLE:                    Irreversible inhibitors of tyrosine kinases
INVENTOR(S):              Bridges, Alexander James
PATENT ASSIGNEE(S):       Warner-Lambert Company, USA
SOURCE:                   PCT Int. Appl., 124 pp.
                          CODEN: PIXXD2
DOCUMENT TYPE:            Patent
LANGUAGE:                 English
FAMILY ACC. NUM. COUNT:   1
PATENT INFORMATION:

     PATENT NO.          KIND   DATE        APPLICATION NO.         DATE
     ---------------     ----   --------    --------------------    --------
     WO 9906378           A1    19990211    WO 1998-US15784         19980729
         W:  AL, AU, BA, BB, BG, BR, CA, CN, CZ, EE, GE, HR, HU, ID, IL, IS,
             JP, KR, LC, LK, LR, LT, LV, MG, MK, MN, MX, NO, NZ, PL, RO, SG,
             SI, SK, SL, TR, TT, UA, US, UZ, VN, YU, AM, AZ, BY, KG, KZ, MD,
             RU, TJ, TM
         RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES,
             FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI,
             CM, GA, GN, GW, ML, MR, NE, SN, TD, TG
     AU 9887607           A     19990222    AU 1998-87607           19980729
     US 6127374           A     20001003    US 1999-269545          19990325
     US 6562818           B1    20030513    US 2000-593031          20000613
PRIORITY APPLN. INFO.:                      US 1997-54060P       P  19970729

                                            WO 1998-US15784      W  19980729

                                            US 1999-269545       A3 19990325

OTHER SOURCE(S):          MARPAT 130:168387
AB   Pyrimidine derivs. that are irreversible inhibitors of tyrosine kinases
     are reported.  Thus, PhCH2OH was treated with 4-FC6H4NO2 to give
     4-PhCH2OC6H4NO2, which was reduced to the amine and used to aminate
     4-chloro-6-nitroquinazoline hydrochloride.  The resulting
     6-nitro-4-(4-benzyloxyanilino)quinazoline hydrochloride was reduced to
the
     amine and acylated to give N-[4-(4-benzyloxyanilino)quinazolin-6-
     yl]acrylamide (I).  I had an IC50 for inhibition of epidermal growth
     factor receptor tyrosine kinase of 3.6 nM.
IT   220490-43-7P 220490-46-0P 220490-68-6P
     RL: SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological
     study); PREP (Preparation); USES (Uses)
        (preparation of anilinoquinazolinylacrylamides and related compds. as
        tyrosine kinase inhibitors)
RN   220490-43-7  CAPLUS
CN   2-Butenoic acid,
4-[[4-[[3-chloro-4-(2-thiazolylcarbonyl)phenyl]amino]pyri
     do[3,4-d]pyrimidin-6-yl]amino]-4-oxo-, 3-(dimethylamino)propyl ester
(9CI)
       (CA INDEX NAME)
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L3   ANSWER 83 OF 162  CAPLUS  COPYRIGHT 2007 ACS on STN      (Continued)
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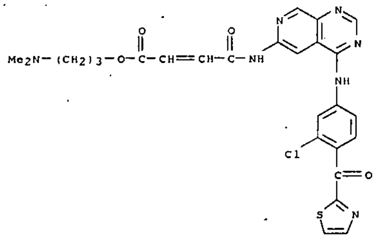

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RN   220490-46-0  CAPLUS
CN   2-Butenediamide,
N-[4-[[3-chloro-4-(2-thiazolylcarbonyl)phenyl]amino]pyrid
     o[3,4-d]pyrimidin-6-yl]-N'-[3-(dimethylamino)propyl]- (9CI)  (CA INDEX
     NAME)
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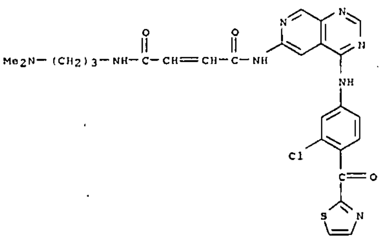

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RN   220490-68-6  CAPLUS
CN   2-Propenoic acid, 4-[[3-chloro-4-(2-thiazolylcarbonyl)phenyl]amino]-7-
     quinazolinyl ester (9CI)  (CA INDEX NAME)
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L3   ANSWER 83 OF 162  CAPLUS  COPYRIGHT 2007 ACS on STN      (Continued)
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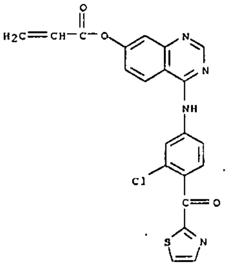

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REFERENCE COUNT:          9      THERE ARE 9 CITED REFERENCES AVAILABLE FOR THIS
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L3   ANSWER 84 OF 162  CAPLUS  COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER:         1999:64784  CAPLUS
DOCUMENT NUMBER:          130:95554
TITLE:                    Isoxazole compounds, process for the preparation
                          thereof, and insecticides and acaricides
INVENTOR(S):              Shibata, Yasushi; Aoyagi, Koichiro; Ichikawa, Naomi;
                          Takahashi, Hidemitsu; Iwasa, Takao; Kawaguchi,
                          Masahiro; Nakamura, Takehiko
PATENT ASSIGNEE(S):       Nippon Soda Co., Ltd., Japan
SOURCE:                   PCT Int. Appl., 105 pp.
                          CODEN: PIXXD2
DOCUMENT TYPE:            Patent
LANGUAGE:                 Japanese
FAMILY ACC. NUM. COUNT:   1
PATENT INFORMATION:

     PATENT NO.           KIND   DATE       APPLICATION NO.        DATE
     ---------------      ----   --------   --------------------   --------
     WO 9902507            A1    19990121   WO 1998-JP3065         19980708
         W:  AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE,
             DK, EE, ES, FI, GB, GE, GH, GM, HU, ID, IL, IS, KE, KG, KR, KZ,
             LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL,
             PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US,
             UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
         RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES,
             FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI,
             CM, GA, GN, GW, ML, MR, NE, SN, TD, TG
     AU 9881272            A     19990208   AU 1998-81272          19980708
     JP 11292862           A     19991026   JP 1998-193200         19980708
PRIORITY APPLN. INFO.:                      JP 1997-199245      A  19970709

                                            JP 1997-361364      A  19971226

                                            JP 1998-31727       A  19980213

                                            WO 1998-JP3065      W  19980708

OTHER SOURCE(S):          MARPAT 130:95554
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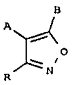

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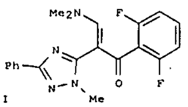

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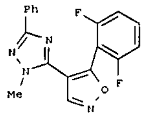

III

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AB   Claimed are novel isoxazole compds. and a process for the preparation of
the
     same; and pesticides containing the same as the active ingredient.  The
     compds. are represented by general formula [I; wherein A is a
heterocyclic
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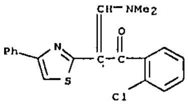
L3   ANSWER 84 OF 162  CAPLUS  COPYRIGHT 2007 ACS on STN      (Continued)
     group or Ph optionally substituted with G (wherein G is NO2, cyano,
     halogeno, C1-6 alkyl, C2-6 alkenyl, C2-6 alkynyl, C3-8 cycloalkyl, C1-6
     haloalkyl, C1-6 alkoxy, C1-6 haloalkoxy, optionally substituted Ph,
etc.);
     the said heterocyclic groups include triazolyl, thiazolyl, oxazolyl,
     isoxazolyl, isothiazolyl, pyrazolyl, imidazolyl, tetrazolyl, oxadiazolyl,
     thiadiazolyl, thienyl, furyl, pyrrolyl, pyridyl, or pyrimidinyl; B is a
     substituted Ph or naphthyl; and R is hydrogen, C1-6 alkyl, or C1-6
     alkoxycarbonyl].  These compds. I are prepd. by cyclocondensation of
     R4R5NCH:C(A)COB (A and B are defined as above; R4 = H, C1-6 alkyl; R5 =
     C1-6 alkyl; or R4 and R5 together form a C3-8 ring) with hydroxylamine or
     its salt.  Thus, hydroxylamine hydrochloride and a small amt. of
     p-MeC6H4SO3H were added to a soln. of β-(dimethylamino)acrylophenone
     (II) in ethanol and refluxed for 4 h to give a triazolylisoxazole deriv.
     (III) in 88% yield.  III at 125 ppm controlled 100% Pseudaletia separata
     on corn leaves and Aphis gossypii on cucumber seedlings.
IT   219567-93-8P
     RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT
     (Reactant or reagent)
        (preparation of isoxazole compds. as insecticides and acaricides by
        cyclocondensation of β-aminoacryloylbenzene or -naphthalene with
        hydroxylamine)
RN   219567-93-8  CAPLUS
CN   2-Propen-1-one, 1-(2-chlorophenyl)-3-(dimethylamino)-2-(4-phenyl-2-
     thiazolyl)- (9CI)  (CA INDEX NAME)
```



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REFERENCE COUNT:            12     THERE ARE 12 CITED REFERENCES AVAILABLE FOR
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L3   ANSWER 85 OF 162  CAPLUS  COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER:         1999:64781  CAPLUS
DOCUMENT NUMBER:          130:125100
TITLE:                    Preparation of 6-azauracil derivatives as IL-5
                          biosynthesis inhibitors
INVENTOR(S):              Freyne, Eddy Jean Edgard; Boeckx, Gustaaf Maria; Van
                          Wauwe, Jean Pierre Frans; Diels, Gaston Stanislas
                          Marcella
PATENT ASSIGNEE(S):       Janssen Pharmaceutica N.V., Belg.
SOURCE:                   PCT Int. Appl., 50 pp.
                          CODEN: PIXXD2
DOCUMENT TYPE:            Patent
LANGUAGE:                 English
FAMILY ACC. NUM. COUNT:   1
PATENT INFORMATION:

     PATENT NO.           KIND   DATE       APPLICATION NO.        DATE
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     WO 9902504            A1    19990121   WO 1998-EP4192         19980702
         W:  AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE,
             DK, EE, ES, FI, GB, GE, GH, GM, GW, HR, HU, ID, IL, IS, JP, KE,
             KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW,
             MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR,
             TT, UA, UG, US, UZ, VN, YU, ZW
         RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES,
             FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI,
             CM, GA, GN, ML, MR, NE, SN, TD, TG
     CA 2294533            A1    19990121   CA 1998-2294533        19980702
     AU 9884413            A     19990208   AU 1998-84413          19980702
     AU 756637             B2    20030116
     EP 1003729            A1    20000531   EP 1998-935022         19980702
         R:  AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, PT, IE,
FI
     EE 9900585            A     20000815   EE 1999-585            19980702
     BR 9811499            A     20000919   BR 1998-11499          19980702
     TR 9903249            T2    20000921   TR 1999-3249           19980702
     HU 2000002826         A2    20010428   HU 2000-2826           19980702
     HU 2000002826         A3    20030128
     NZ 501627             A     20020201   NZ 1998-501627         19980702
     JP 2002508001         T     20020312   JP 1999-508127         19980702
     ZA 9806095            A     20000110   ZA 1998-6095           19980709
     NO 2000000094         A     20000308   NO 2000-94             20000107
     MX 200000362          A     20010827   MX 2000-362            20000107
     US 2002042416         A1    20020411   US 2001-855068         20010514
     US 6743792            B2    20040601
     US 2003220331         A1    20031127   US 2003-434896         20030509
     US 6951857            B2    20051004
PRIORITY APPLN. INFO.:                      EP 1997-202117      A  19970710

                                            WO 1998-EP4192      W  19980702

                                            US 2000-462323      B1 20000105

                                            US 2001-855068      A3 20010514

OTHER SOURCE(S):          MARPAT 130:125100
GI
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L3   ANSWER 85 OF 162  CAPLUS  COPYRIGHT 2007 ACS on STN      (Continued)
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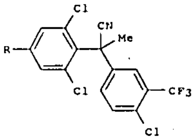

II

```
AB   RZCR1R2R3 [I; R = 3,5-dioxo-1,2,4-triazin-2(3H)-yl; R1 = H, alkyl,
alkoxy,
     (hetero)aryl, etc.; R2 = cyano or C(:X)YR5; R3 = (un)substituted Ph; R5 =
     H, (ar)alkyl, (hetero)aryl, etc.; X = O or S; Y = bond, O, S, NR6; R6 =
H,
     alkyl(oxy), aralkyl; Z = (un)substituted phenylene] were prepared  Thus,
     4,3-Cl(F3C)C6H3CH2CN was arylated by 1,2,3-trichloro-5-nitrobenzene and
     the α-methylated product reduced to give
     methylphenylbenzeneacetonitrile II (R = NH2) which was diazotized and the
     product condensed with NCCH2CONHCO2Et to give II [R =
NHN:C(CN)CONHCO2Et].
     The latter was cyclized and the product converted in 2 steps to II [R =
     3,5-dioxo-1,2,4-triazin-2(3H)-yl].  Data for biol. activity of I were
     given.
IT   219909-10-1P 219909-13-4P 219909-20-3P
     RL: BAC (Biological activity or effector, except adverse); BSU
(Biological
     study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use);
     BIOL (Biological study); PREP (Preparation); USES (Uses)
        (preparation of 6-azauracil derivs. as IL-5 biosynthesis inhibitors)
RN   219909-10-1  CAPLUS
CN   1,2,4-Triazine-3,5(2H,4H)-dione, 2-[4-[2-(2-benzothiazolyl)-1-(4-
     chlorophenyl)-2-oxoethyl]-3-chlorophenyl]- (9CI)  (CA INDEX NAME)
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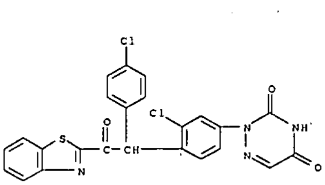

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RN   219909-13-4  CAPLUS
CN   1,2,4-Triazine-3,5(2H,4H)-dione,
2-[3-chloro-4-[1-(4-chlorophenyl)-2-oxo-2-
     (2-thiazolyl)ethyl]phenyl]- (9CI)  (CA INDEX NAME)
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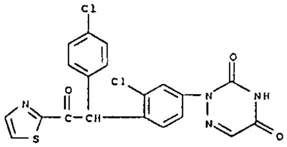
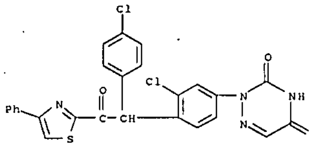
L3 ANSWER 85 OF 162 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



RN 219909-20-3 CAPLUS
CN 1,2,4-Triazine-3,5(2H,4H)-dione,
2-[3-chloro-4-[1-(4-chlorophenyl)-2-oxo-2-
(4-phenyl-2-thiazolyl)ethyl]phenyl]- (9CI) (CA INDEX NAME)



REFERENCE COUNT: 8 THERE ARE 8 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 86 OF 162 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1998:388433 CAPLUS
DOCUMENT NUMBER: 129:74080
TITLE: Heat-developable light-sensitive color imaging material and method of forming color images
INVENTOR(S): Ohkawa, Atsuhiro; Takizawa, Hiroo; Ishikawa, Shun-ichi; Yokokawa, Takuya
PATENT ASSIGNEE(S): Fuji Photo Film Co., Ltd., Japan
SOURCE: Eur. Pat. Appl., 186 pp.
CODEN: EPXXDW
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

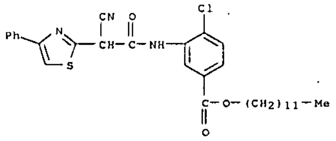
PATENT NO.	KIND	DATE	APPLICATION NO.		DATE
EP 846982	A2	19980610	EP 1997-120578		19971124
EP 846982	A3	19990519			
EP 846982	B1	20020821			
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO					
JP 10207030	A	19980807	JP 1997-27166		19970127
JP 3776546	B2	20060517			
JP 10207027	A	19980807	JP 1997-286137		19971002
JP 3816214	B2	20060830			
AT 222655	T	20020915	AT 1997-120578		19971124
US 6051359	A	20000418	US 1997-978631		19971125
PRIORITY APPLN. INFO.:			JP 1996-329123	A	19961125
			JP 1996-329124	A	19961125
			JP 1997-27166	A	19970127
			JP 1997-286137	A	19971002

OTHER SOURCE(S): MARPAT 129:74080

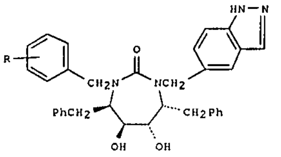
AB The present invention provides a heat-developable light-sensitive color imaging material having a support and a light-sensitive layer provided on the support. The heat-developable light-sensitive material contains dyes which are decolorized through reaction with a decolorizing agent during a development process. The dyes are nondiffusible and at least a part of decolorized dyes resulting from the development process is nondiffusible. Also provided is an image-forming method using the heat-developable light-sensitive material. The present method provides color images having excellent sharpness within a short period of time.

IT 128452-71-1
RL: TEM (Technical or engineered material use); USES (Uses)
(heat-developable light-sensitive color imaging materials containing)
RN 128452-71-1 CAPLUS
CN Benzoic acid, 4-chloro-3-[[cyano(4-phenyl-2-thiazolyl)acetyl]amino]-, dodecyl ester (9CI) (CA INDEX NAME)

L3 ANSWER 86 OF 162 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



L3 ANSWER 87 OF 162 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1998:338714 CAPLUS
DOCUMENT NUMBER: 129:109074
TITLE: Nonsymmetric P2/P2' Cyclic Urea HIV Protease Inhibitors. Structure-Activity Relationship, Bioavailability, and Resistance Profile of Monoindazole-Substituted P2 Analogs
AUTHOR(S): De Lucca, George V.; Kim, Ui T.; Liang, Jing; Cordova, Beverly; Klabe, Ronald M.; Garber, Sena; Bacheler, Lee T.; Lam, Gilbert N.; Wright, Matthew R.; Logue, Kelly A.; Erickson-Viitanen, Susan; Ko, Soo S.; Trainor, George L.
CORPORATE SOURCE: Dupont Merck Pharmaceutical Company, Wilmington, DE, 19880-0500, USA
SOURCE: Journal of Medicinal Chemistry (1998), 41(13), 2411-2423
CODEN: JMCMAR; ISSN: 0022-2623
PUBLISHER: American Chemical Society
DOCUMENT TYPE: Journal
LANGUAGE: English
GI



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AB Using the structural information gathered from the x-ray structures of various cyclic urea/HIVPR complexes, we designed and synthesized many nonsym. P2/P2'-substituted cyclic urea analogs. Our efforts concentrated on using an indazole as one of the P2 substituents since this group imparted enzyme (Ki) potency as well as translation into excellent antiviral (IC90) potency. The second P2 substituent was used to adjust the phys. and chemical properties in order to maximize oral bioavailability. Using this approach, several very potent (IC90 11 nM) and orally bioavailable (F% 93-100%) compds., e.g., I (R = 3-NH2, 4-NH2), were discovered. However, the resistance profiles of these compds. were inadequate, especially against the double (I84V/V82F) and ritonavir-selected mutant viruses. Further modification of the second P2 substituent in order to increase H-bonding interactions with the backbone atoms of residues Asp 29, Asp 30, and Gly 48 led to analogs with much better resistance profiles. However, these larger analogs were incompatible with the apparent mol. weight requirements for good oral bioavailability of the cyclic urea class of HIVPR inhibitors

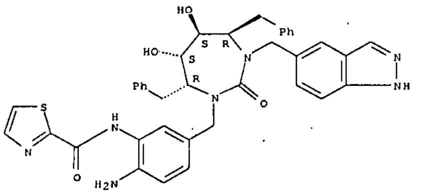
L3 ANSWER 87 OF 162 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)
(MW < 610).

IT 209804-62-6P
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)
(nonsym. P2/P2' cyclic urea HIV protease inhibitors containing indazole group)

RN 209804-62-6 CAPLUS

CN 2-Thiazolecarboxamide, N-[2-amino-5-[[(4R,5S,6S,7R)-hexahydro-5,6-dihydroxy-3-(1H-indazol-5-ylmethyl)-2-oxo-4,7-bis(phenylmethyl)-1H-1,3-diazepin-1-yl]methyl]phenyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



REFERENCE COUNT: 52 THERE ARE 52 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 88 OF 162 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 1998:154908 CAPLUS
DOCUMENT NUMBER: 128:237185
TITLE: Silver halide photographic material and processing thereof
INVENTOR(S): Takizawa, Hiroo
PATENT ASSIGNEE(S): Fuji Photo Film Co., Ltd., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 74 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 10062896	A	19980306	JP 1996-232629	19960815
PRIORITY APPLN. INFO.:			JP 1996-232629	19960815

AB The title material possesses, on a support, ≥1 photog. constitutive layers ≥1 of which contains a color developing agent R11NHNHXR12 [R11 = aryl or heterocycle; R12 = alkyl, alkenyl, alkynyl, aryl, heterocycle; X = SO2, CO, COCO, CO2, CONR13, COCO2, COCONR13, SO2NR13; R13 = H, alkyl, alkenyl, alkynyl, aryl, heterocycle] and ≥1 dye-forming coupler selected from C1M1aD1M2bC2, C1M1aD1M2bC2M3cD2M4dC3, and C1M1aE(M2bC2)(M3cC3) [C1-3 = coupler residue forming a dye upon coupling with the oxidized product of the above developing agent; M1-4 = O, CO2, CO, NR70, CONR70, NR70CONR71, OCONR70, SO2NR70, NR70SO2NR71, P(:O)OR70NR71, P(:O)R70NR71 (R70, R71 = H, alkyl, alkenyl, cycloalkyl, aryl), S, SO, SO2; a, b, c, d = 0 or 1; D1, D2 = divalent linking group; E = trivalent linking group]. The material is heat-developed at 50-200° or developed in a solution to form an image. The material shows good coloring properties upon development and provides high color quality images with high d. and sharpness even when used couplers having a substituent in its active position.

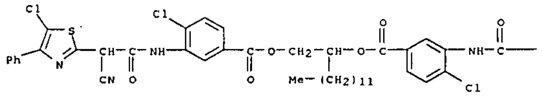
IT 204757-58-4
RL: TEM (Technical or engineered material use); USES (Uses)
(photog. film containing hydrazine derivative color developer and color-forming coupler)

RN 204757-58-4 CAPLUS

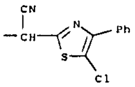
CN Benzoic acid, 4-chloro-3-[[(5-chloro-4-phenyl-2-thiazolyl)cyanoacetyl]amino]-, 1-dodecyl-1,2-ethanediyl ester (9CI) (CA INDEX NAME)

L3 ANSWER 88 OF 162 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

PAGE 1-A



PAGE 1-B



L3 ANSWER 89 OF 162 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 1998:106181 CAPLUS
DOCUMENT NUMBER: 128:210809
TITLE: Silver halide color photographic material containing a DIR coupler and a hydrazine derivative
INVENTOR(S): Nakagawa, Hajime; Nakamine, Isamu
PATENT ASSIGNEE(S): Fuji Photo Film Co., Ltd., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 118 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

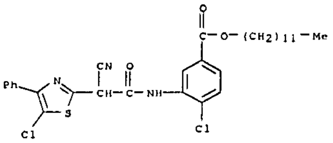
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 10039464	A	19980213	JP 1996-209373	19960722
PRIORITY APPLN. INFO.:			JP 1996-209373	19960722

AB Claimed color photog. material is characterized by (1) that at least one emulsion layer contains, in the amount of ≥50% of total grain-projected area, tabular grains with AgCl content of ≥60 mol% and aspect ratio of ≤2.0 and (2) that at least one emulsion layer contains a compound; AOC(:O)NX1CX2X3DI, (A = coupler moiety; X1 = heterocyclic group, CX3X5Y; Y = SO2R1, SO2NR1R2, CO2Z1, CN, CF2, CCl2; R1, R2 = H, alkyl, cycloalkyl, alkenyl, aryl, heterocyclic group; Z = H, cycloalkyl, alkenyl, aryl, heterocyclic group; X2, X3, X4, X5 = H, substituent; DI = development-inhibiting moiety), a hydrazide R11NHNHXR12, (R11 = aryl, heterocyclic group; R12, R13 = H, alkyl, alkenyl, aryl, heterocyclic group; X = XO2CO, COCO, CO2, CONR13, COCO2, COCONR13) and a dye-forming coupler. It has an improved sharpness and color reproduction quality, and suitably used as a multilayer color neg. film.

IT 194790-74-4
RL: DEV (Device component use); USES (Uses)
(coupler; color photog. material containing DIR compound and hydrazine derivative to improve sharpness and color reproduction quality)

RN 194790-74-4 CAPLUS

CN Benzoic acid, 4-chloro-3-[[(5-chloro-4-phenyl-2-thiazolyl)cyanoacetyl]amino]-, dodecyl ester (9CI) (CA INDEX NAME)



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L3   ANSWER 90 OF 162  CAPLUS  COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER:         1997:633988  CAPLUS
DOCUMENT NUMBER:          127:305488
TITLE:                    Unprecedented detoxification of the cruciferous
                          phytoalexin camalexin by a root phytopathogen
AUTHOR(S):                Soledade, M.; Pedras, C.; Khan, Abdul Q.
CORPORATE SOURCE:         Dep. Chemistry, Univ. Saskatchewan, Saskatoon, SK,
S7N
                          5C9, Can.
SOURCE:                   Bioorganic & Medicinal Chemistry Letters (1997),
                          7(17), 2255-2260
                          CODEN: BMCLE8; ISSN: 0960-894X
PUBLISHER:                Elsevier
DOCUMENT TYPE:            Journal
LANGUAGE:                 English
AB   The unusual metabolism of the phytoalexin camalexin by the root rot
fungus
     Rhizoctonia solani Kuhn is reported.  This transformation proceeded via
     5-hydroxycamalexin, further transformed into 5-hydroxyinodole-3-
     carbonitrile and 5-hydroxy-2-formamidophenyl-2'-thiazolylketone.  Most
     importantly, the metabolites resulting from transformation of camalexin
     were significantly less toxic to the fungus than camalexin.
IT   197512-22-4
     RL: BSU (Biological study, unclassified); MFM (Metabolic formation); BIOL
     (Biological study); FORM (Formation, nonpreparative)
        (detoxification product of camalexin by Rhizoctonia solani)
RN   197512-22-4  CAPLUS
CN   Formamide, N-[4-hydroxy-2-(2-thiazolylcarbonyl)phenyl]- (9CI)  (CA INDEX
     NAME)
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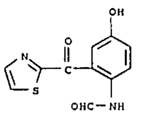

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L3   ANSWER 91 OF 162  CAPLUS  COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER:         1997:574584  CAPLUS
DOCUMENT NUMBER:          127:212475
TITLE:                    N-(Heterocyclylaryl)hydrazine derivative for a
                          principal color developer, silver halide photographic
                          light-sensitive material and imaging method
INVENTOR(S):              Okawa, Atsuhiro; Makuta, Toshiyuki; Taguchi, Toshiki
PATENT ASSIGNEE(S):       Fuji Photo Film Co., Ltd., Japan
SOURCE:                   Jpn. Kokai Tokkyo Koho, 82 pp.
                          CODEN: JKXXAF
DOCUMENT TYPE:            Patent
LANGUAGE:                 Japanese
FAMILY ACC. NUM. COUNT:   1
PATENT INFORMATION:

     PATENT NO.          KIND    DATE          APPLICATION NO.         DATE
     ---------------     ----    --------      --------------------    --------
     JP 09211818          A      19970815      JP 1996-331409          19961128
     US 5851749           A      19981222      US 1996-757730          19961126
PRIORITY APPLN. INFO.:                         JP 1995-334183       A  19951130

OTHER SOURCE(S):          MARPAT 127:212475
GI
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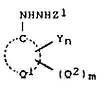
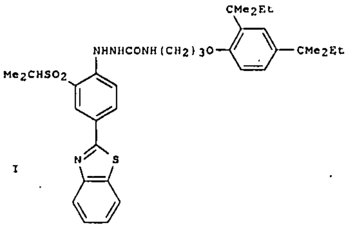


I



II

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AB   The title compds. [I; Z1 = acyl, CONH2, alkoxycarbonyl, aryloxycarbonyl,
     R1SO2, C(X):NR2; wherein R1 = alkyl, alkenyl, alkynyl, aryl,
heterocyclyl;
     X = OR3, NR4R5; R2, R4, R5 = H, alkyl, alkenyl, alkynyl, aryl,
     heterocyclyl; R3 = same as R1; or R2 and R3, or R4 and R5 are bonded
     together to form a ring; Q1 = a group of nonmetal atoms necessary to form
     a 5- or 6-membered ring together with the C atom; Q2 = heterocyclyl; Y =
     substitutable group; m = 1,2; n = 0-3] (e.g. II) are prepared  An imaging
     method involves development of an imagewise-exposed silver halide photog.
     light-sensitive material in the presence of above color developer I, in
     particular with a processing liquid containing above color developer I.
A
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L3   ANSWER 91 OF 162  CAPLUS  COPYRIGHT 2007 ACS on STN      (Continued)
     silver halide photog. light-sensitive material comprises at least one
     hydrophilic colloidal layer contg. above color developer I formed on a
     support.  Another imaging method involves development of the latter
     photog. material (1) by heat-treatment at 50-200° or (2) in a soln.
     These compds. provide new principal developers which form dyes excellent
     in coloration during development and give images of good coloration and
     stability and stable in hue even when couplers substituted at the
coupling
     position are used.
IT   194790-74-4
     RL: TEM (Technical or engineered material use); USES (Uses)
        (photog. coupler; N-(heterocyclylaryl)hydrazine derivs. for principal
        color developers, silver halide photog. light-sensitive material, and
        imaging method)
RN   194790-74-4  CAPLUS
CN   Benzoic acid, 4-chloro-3-[[(5-chloro-4-phenyl-2-
     thiazolyl)cyanoacetyl]amino]-, dodecyl ester (9CI)  (CA INDEX NAME)
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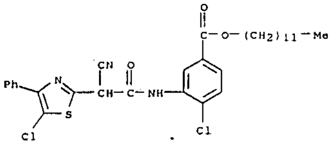

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L3   ANSWER 92 OF 162  CAPLUS  COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER:         1997:555910  CAPLUS
DOCUMENT NUMBER:          127:154548
TITLE:                    Silver halide photographic material
INVENTOR(S):              Yamashita, Kiyoshi
PATENT ASSIGNEE(S):       Fuji Photo Film Co., Ltd., Japan
SOURCE:                   Jpn. Kokai Tokkyo Koho, 99 pp.
                          CODEN: JKXXAF
DOCUMENT TYPE:            Patent
LANGUAGE:                 Japanese
FAMILY ACC. NUM. COUNT:   1
PATENT INFORMATION:

     PATENT NO.          KIND    DATE          APPLICATION NO.         DATE
     ---------------     ----    --------      --------------------    --------
     JP 09160193          A      19970620      JP 1995-344396          19951206
PRIORITY APPLN. INFO.:                         JP 1995-344396          19951206

AB   In the title material comprising a support having one or more photog.
     layers, one photog. layer contains at least one reducing agent for color
     development represented by R11NHNHXR12 [R11 = aryl, etc.; R12 = aryl,
     etc.; X = SO2, etc.], at least one dye-forming coupler, and a chemical
     sensitized emulsion.  The title material shows high sensitivity.
IT   193471-22-6
     RL: TEM (Technical or engineered material use); USES (Uses)
        (silver halide photog. material)
RN   193471-22-6  CAPLUS
CN   Benzoic acid, 3,3'-[[2-[5-[4-(methoxycarbonyl)phenoxy]-4-phenyl-2-
     thiazolyl]-1,3-dioxo-1,3-propanediyl]diimino]bis[4-chloro-, didodecyl
     ester (9CI)  (CA INDEX NAME)

                                                     PAGE 1-A
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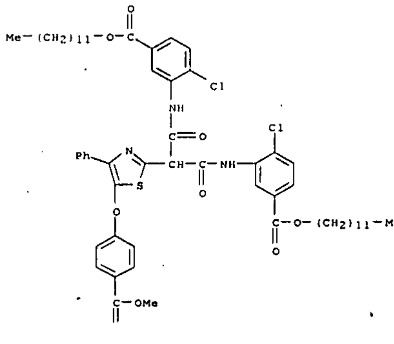

L3 ANSWER 92 OF 162 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

PAGE 2-A

L3 ANSWER 93 OF 162 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER:	1997:549142 CAPLUS
DOCUMENT NUMBER:	127:169002
TITLE:	Silver halide photographic light-sensitive material containing carbamoyl-substituted hydrazine derivative as reducing agent for coloration
INVENTOR(S):	Ozeki, Tomoyuki
PATENT ASSIGNEE(S):	Fuji Photo Film Co., Ltd., Japan
SOURCE:	Jpn. Kokai Tokkyo Koho, 107 pp. CODEN: JKXXAF
DOCUMENT TYPE:	Patent
LANGUAGE:	Japanese
FAMILY ACC. NUM. COUNT:	1
PATENT INFORMATION:	

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 09160192	A	19970620	JP 1995-344383	19951206
PRIORITY APPLN. INFO.:			JP 1995-344383	19951206

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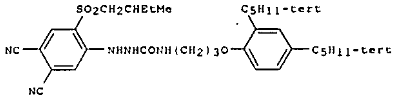

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AB In a silver halide photog. light-sensitive material possessing at least one photog. layer on a support, any of these photog. layers contains at least one hydrazine derivative of formula R11NHNH-X-R12 [R11 = (un)substituted aryl or heterocyclyl; R12 = (un)substituted alkyl, alkenyl, alkynyl, aryl, or heterocyclyl; X = SO2, CO, COCO, CO2, CONR13, COCO2, COCONR13, SO2NR13; R13 = H, group cited in R12] (e.g. I) and at least one color coupler, and silver halide grains contained in at least one of these photog. layers contain a coordination metal complex or metal ion containing a metal of 4th, 5th, or 6th period 3-14 group elements of the periodic table in crystal lattices. This photog. material decreases stains caused by long-term storage, shows high sensitivity and excellent graininess, requires low replenishment and discharge of a color developer which protects environment and offers safe working environment for workers, and provides good coloration and hue even in rapid processing.

IT 193471-22-6

RL: TEM (Technical or engineered material use); USES (Uses)

(color photog. coupler; silver halide photog. light-sensitive material

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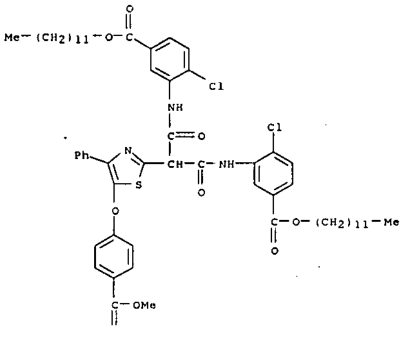
L3 ANSWER 93 OF 162 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

contg. carbamoyl-substituted hydrazine deriv. as reducing agent for coloration)

RN 193471-22-6 CAPLUS

CN Benzoic acid, 3,3'-[[2-[5-[4-(methoxycarbonyl)phenoxy]-4-phenyl-2-thiazolyl]-1,3-dioxo-1,3-propanediyl]diimino]bis[4-chloro-, didodecyl ester (9CI) (CA INDEX NAME)

PAGE 1-A



PAGE 2-A

L3 ANSWER 94 OF 162 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER:	1997:471113 CAPLUS
DOCUMENT NUMBER:	127:202748
TITLE:	Synthesis and antifungal activity of novel thiazole-containing triazole antifungals
AUTHOR(S):	Tsuruoka, Akihiko; Kaku, Yumiko; Kakinuma, Hiroyuki; Tsukada, Itaru; Yanagisawa, Manabu; Naito, Toshihiko
CORPORATE SOURCE:	Tsukuba Res. Lab., Eisai Co., Ltd., Tsukuba, 300-26, Japan
SOURCE:	Chemical & Pharmaceutical Bulletin (1997), 45(7), 1169-1176 CODEN: CPBTAL; ISSN: 0009-2363
PUBLISHER:	Pharmaceutical Society of Japan
DOCUMENT TYPE:	Journal
LANGUAGE:	English
OTHER SOURCE(S):	CASREACT 127:202748

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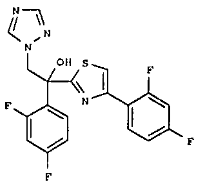


I

AB A new series of thiazole-containing triazole antifungals was synthesized and evaluated for antifungal activity against a variety of clin. isolated pathogenic fungi in vitro and against systemic candidosis in vivo. Among these compds., (±)-1-(2,4-difluorophenyl)-1-[4-(2,4-difluorophenyl)thiazol-2-yl]-2-(1H-1,2,4-triazol-1-yl)ethanol (ER-24161) (I) showed the most potent and well-balanced in vitro activities and excellent in vivo efficacy. We also achieved an enantioselective synthesis of the more potent enantiomer of ER-24161.

IT 194491-59-3P

RL: PRP (Properties); SPN (Synthetic preparation); PREP (Preparation)

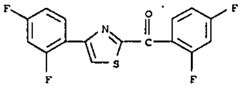
(intermediate in the synthesis of thiazole-containing triazole antifungals)

RN 194491-59-3 CAPLUS

CN Methanone, (2,4-difluorophenyl)[4-(2,4-difluorophenyl)-2-thiazolyl]-(9CI)

(CA INDEX NAME)

L3 ANSWER 94 OF 162 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



REFERENCE COUNT: 27 THERE ARE 27 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 95 OF 162 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1997:456148 CAPLUS
DOCUMENT NUMBER: 127:149086
TITLE: 5-(N-heterosubstituted amino)quinolone antimicrobials
INVENTOR(S): Demuth, Thomas Prosser, Jr.; White, Ronald Eugene
PATENT ASSIGNEE(S): Procter & Gamble Co., USA
SOURCE: U.S., 45 pp., Cont.-in-part of U.S. Ser. No. 968,960, abandoned.
CODEN: USXXAM
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 3
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.		DATE
US 5646163	A	19970708	US 1994-235003		19940428
IL 107323	A	20000601	IL 1993-107323		19931019
CA 2148003	A1	19940511	CA 1993-2148003		19931022
HU 72072	A2	19960328	HU 1995-1237		19931022
CZ 282581	B6	19970813	CZ 1995-1097		19931022
ZA 9308089	A	19940607	ZA 1993-8089		19931029
CN 1092773	A	19940928	CN 1993-120224		19931030
CN 1064357	B	20010411			
CA 2188918	A1	19951109	CA 1995-2188918		19950411
WO 9529894	A1	19951109	WO 1995-US4495		19950411
W: AM, AU, BB, BG, BR, BY, CA, CN, CZ, FI, HU, JP, KE, KG, KP, KR, KZ, LK, LR, LT, LV, MD, MG, MN, MX, NO, NZ, PL, RO, RU, SG, SI, SK, TJ, TT, UA, UZ, VN					
RW: KE, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG					
AU 9522466	A	19951129	AU 1995-22466		19950411
EP 757675	A1	19970212	EP 1995-915652		19950411
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, NL, PT, SE					
BR 9507553	A	19970805	BR 1995-7553		19950411
CN 1157611	A	19970820	CN 1995-193457		19950411
JP 09512549	T	19971216	JP 1995-528255		19950411
IN 1995DE00735	A	20050311	IN 1995-DE735		19950421
FI 9604318	A	19961223	FI 1996-4318		19961025
NO 9604533	A	19961223	NO 1996-4533		19961025
AU 9897251	A	19990415	AU 1998-97251		19981221
PRIORITY APPLN. INFO.:			US 1992-968960	B2	19921030
			US 1994-235003	A	19940428
			AU 1995-22466	A3	19950411
			WO 1995-US4495	W	19950411

OTHER SOURCE(S): MARPAT 127:149086
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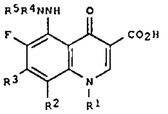
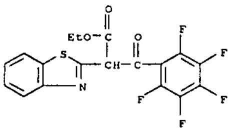
L3 ANSWER 95 OF 162 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



I

AB Antimicrobial (no data) 5-(N-heterosubstituted amino)quinolones I [R1 = alkyl, alkenyl, cycloalkyl, heterocyclic, (un)substituted amino; R2 = H, halogen, alkyl, alkoxy; R3 = heterocyclic, carbocyclic; NR4R5 = (un)substituted amino] were prepared Thus, (S)-I.2HCl [R1 = cyclopropyl, R2 = F, R3-R5 = H] was prepared by treating cyclopropylamine with HC.tplbond.CCO2Me, followed by C6F5COCl and cyclization to the quinolone. The latter compound was hydrolyzed to the acid, aminated with (S)-3-tert-butoxycarbonylaminopyrrolidine, and deblocked.

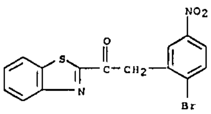
IT 193284-04-7P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation of hydrazinoquinolones as antimicrobials)
RN 193284-04-7 CAPLUS
CN 2-Benzothiazoleacetic acid, α-(pentafluorobenzoyl)-, ethyl ester (9CI) (CA INDEX NAME)



L3 ANSWER 96 OF 162 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1997:417555 CAPLUS
DOCUMENT NUMBER: 127:73352
TITLE: 1-(1,3-Benzothiazol-2-yl)-2-(2-bromo-5-nitrophenyl)ethanone
AUTHOR(S): Ruiwu, Tao; Barnes, Charles L.; Cox, Osvaldo; Hernandez, Wigberto J.; Cardona, Damaria; Huang, Songping D.
CORPORATE SOURCE: Department of Physics, University of Puerto Rico, San Juan, 00931, USA
SOURCE: Acta Crystallographica, Section C: Crystal Structure Communications (1997), C53(6), 801-803
CODEN: ACSCEE; ISSN: 0108-2701
PUBLISHER: Munksgaard
DOCUMENT TYPE: Journal
LANGUAGE: English

AB The title compound was isolated as an unexpected product from the reaction of the anion of Na 2-(1,3-benzothiazolyl)ethanonitrile with α,2-dibromo-5-nitrotoluene. The compound is triclinic, space group P.hivin.1, with a 5.6211(9), b 7.356(1), c 18.144(3) Å, α 98.956(9), β 97.03(1), and γ 99.326(9)°; Z = 2, dc = 1.733; R = 0.0317, Rw = 0.0375 for 2056 reflections. Its structure features a benzothiazole fragment and a bromo- and nitro-substituted Ph ring linked by a Me ketone group. The dihedral angle between the benzothiazole and Ph rings is 103.7(2)°. The benzothiazole fragment is planar, with a maximum deviation of 0.021(2) A. The nitro group is slightly rotated out of the phenyl-ring plane, with a O(2)-N(2)-C(14)-C(15) torsion angle of 16.4(7)°.

IT 191329-81-4P, 1-(1,3-Benzothiazol-2-yl)-2-(2-bromo-5-nitrophenyl)ethanone
RL: BYP (Byproduct); PRP (Properties); PREP (Preparation)
(byproduct of reaction of sodium (benzothiazolyl)ethanonitrile with dibromonitrotoluene and crystal structure of)
RN 191329-81-4 CAPLUS
CN Ethanone, 1-(2-benzothiazolyl)-2-(2-bromo-5-nitrophenyl)- (9CI) (CA INDEX NAME)



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L3   ANSWER 97 OF 162  CAPLUS  COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER:        1996:718326  CAPLUS
DOCUMENT NUMBER:         126:8130
TITLE:                   Preparation of diarylpyrimidine derivatives as
                         neovascularization inhibitors
INVENTOR(S):             Konno, Yasuo; Nozaki, Kenji; Yamada, Shozo; Asao,
                         Tetsuji; Suzuki, Takashi; Kimura, Masayasu
PATENT ASSIGNEE(S):      Taiho Pharmaceutical Co., Ltd., Japan
SOURCE:                  PCT Int. Appl., 77 pp.
                         CODEN: PIXXD2
DOCUMENT TYPE:           Patent
LANGUAGE:                Japanese
FAMILY ACC. NUM. COUNT:  1
PATENT INFORMATION:

     PATENT NO.          KIND   DATE        APPLICATION NO.        DATE
     ---------------     ----   --------    --------------------   --------
     WO 9632384           A1    19961017    WO 1996-JP1022         19960412
         W:  AU, CA, HU, JP, KR, NO, US
         RW: AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT,
SE
     CA 2190973           A1    19961017    CA 1996-2190973        19960412
     CA 2190973           C     20010619
     AU 9652892           A     19961030    AU 1996-52892          19960412
     AU 692090            B2    19980528
     EP 767170            A1    19970409    EP 1996-909366         19960412
     EP 767170            B1    20021023
         R:  AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LI, LU, MC, NL,
             PT, SE
     HU 9603433           A2    19970828    HU 1996-3433           19960412
     JP 3145410           B2    20010312    JP 1996-530893         19960412
     AT 226574            T     20021115    AT 1996-909366         19960412
     US 5786355           A     19980728    US 1996-750197         19961127
     NO 9605334           A     19970212    NO 1996-5334           19961212
     NO 308659            B1    20001009
PRIORITY APPLN. INFO.:                      JP 1995-88284       A  19950413

                                            WO 1996-JP1022      W  19960412

OTHER SOURCE(S):         MARPAT 126:8130
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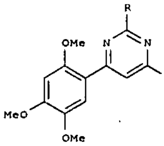

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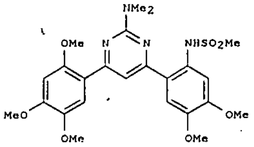

II

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L3   ANSWER 97 OF 162  CAPLUS  COPYRIGHT 2007 ACS on STN     (Continued)

AB   The title compds. I [R represents (un)substituted heterocycle or amino ;
     and Ar represents Ph, naphthyl or an aromatic heterocycle optionally
having
     one to four substituents] are prepared  The title compound II in vitro
showed.
     IC50 of 0.068 μM against the growth of human umbilical vein endothelial
     cells (HUVEC).
IT   183730-56-5P
     RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT
     (Reactant or reagent)
        (preparation of diarylpyrimidine derivs. as neovascularization
inhibitors)
RN   183730-56-5  CAPLUS
CN   2-Propyn-1-one, 1-(2-thiazolyl)-3-(2,4,5-trimethoxyphenyl)- (9CI)  (CA
     INDEX NAME)
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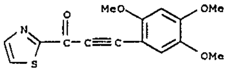

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L3   ANSWER 98 OF 162  CAPLUS  COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER:        1996:649796  CAPLUS
DOCUMENT NUMBER:         125:275865
TITLE:                   Preparation of hypolipemic aroylbenzothiazoles
INVENTOR(S):             Muramoto, Hiroki; Fukuda, Kiyoshi; Hasegawa, Taisuke;
                         Okamoto, Kaoru; Kotani, Takayuki
PATENT ASSIGNEE(S):      Nippon Zoki Pharmaceutical Co., Ltd., Japan
SOURCE:                  Eur. Pat. Appl., 17 pp.
                         CODEN: EPXXDW
DOCUMENT TYPE:           Patent
LANGUAGE:                English
FAMILY ACC. NUM. COUNT:  1
PATENT INFORMATION:

     PATENT NO.          KIND   DATE        APPLICATION NO.        DATE
     ---------------     ----   --------    --------------------   --------
     EP 735029            A1    19961002    EP 1996-104980         19960328
     EP 735029            B1    19980603
         R:  AT, BE, CH, DE, DK, ES, FR, GB, IT, LI, NL, SE
     JP 08325252          A     19961210    JP 1996-99091          19960327
     CN 1137524           A     19961211    CN 1996-103387         19960327
     CN 1063443           B     20010321
     US 5900426           A     19990504    US 1996-624746         19960327
     TW 438786            B     20010607    TW 1996-85103692       19960327
     CA 2172879           A1    19960929    CA 1996-2172879        19960328
     AU 9650572           A     19961010    AU 1996-50572          19960328
     AU 695925            B2    19980827
     AT 166872            T     19980615    AT 1996-104980         19960328
PRIORITY APPLN. INFO.:                      JP 1995-96300       A  19950328

OTHER SOURCE(S):         MARPAT 125:275865
GI
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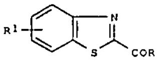

I

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AB   Title compds. I [R = (un)substituted Ph; R1 = halogen, alkyl, CF3, NHAc,
     OH, alkoxy, acyloxy] were prepared  I significantly decrease cholesterol,
     triglyceride and low-d. lipoprotein in blood.  Thus, 6-
     hydroxybenzothiazole was treated with 4-hydroxybenzaldehyde and
concentrated
     H2SO4 in AcOH to give 6-hydroxy-2-(4-hydroxybenzoyl)benzothiazole which
     lowered cholesterol in streptozotocin-treated rats from 956.6±234.4 to
     260.8±209.4 mg/dL at 100 mg/kg day for 3 wk.
IT   182619-18-7P
     RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT
     (Reactant or reagent)
        (preparation of hypolipemic aroylbenzothiazoles)
RN   182619-18-7  CAPLUS
CN   Methanone,
[6-[(2-methoxyethoxy)methoxy]-2-benzothiazolyl](2-nitrophenyl)-
     (9CI)  (CA INDEX NAME)
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L3   ANSWER 98 OF 162  CAPLUS  COPYRIGHT 2007 ACS on STN     (Continued)
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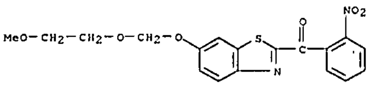

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IT   182619-23-4P 182619-29-0P 182619-30-3P
     182619-35-8P 182619-36-9P 182619-39-2P
     182619-45-0P 182619-52-9P
     RL: SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological
     study); PREP (Preparation); USES (Uses)
        (preparation of hypolipemic aroylbenzothiazoles)
RN   182619-23-4  CAPLUS
CN   Methanone, (6-hydroxy-2-benzothiazolyl)(2-nitrophenyl)- (9CI)  (CA INDEX
     NAME)
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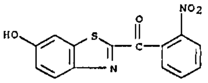

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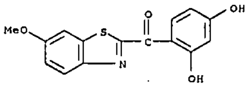
RN   182619-29-0  CAPLUS
CN   Methanone, (2,4-dihydroxyphenyl)(6-methoxy-2-benzothiazolyl)- (9CI)  (CA
     INDEX NAME)
```



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RN   182619-30-3  CAPLUS
CN   Methanone, (2,4-dihydroxyphenyl)(6-hydroxy-2-benzothiazolyl)- (9CI)  (CA
     INDEX NAME)
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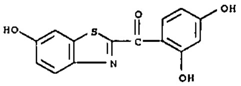

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RN   182619-35-8  CAPLUS
CN   Methanone, (6-hydroxy-2-benzothiazolyl)(2-hydroxyphenyl)- (9CI)  (CA
INDEX
     NAME)
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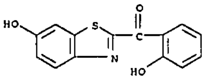
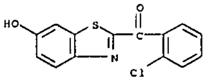
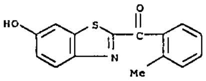
L3 ANSWER 98 OF 162 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



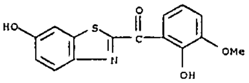
RN 182619-36-9 CAPLUS
CN Methanone, (2-chlorophenyl)(6-hydroxy-2-benzothiazolyl)- (9CI) (CA INDEX NAME)



RN 182619-39-2 CAPLUS
CN Methanone, (6-hydroxy-2-benzothiazolyl)(2-methylphenyl)- (9CI) (CA INDEX NAME)

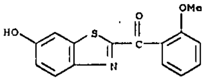


RN 182619-45-0 CAPLUS
CN Methanone, (6-hydroxy-2-benzothiazolyl)(2-hydroxy-3-methoxyphenyl)- (9CI) (CA INDEX NAME)



RN 182619-52-9 CAPLUS
CN Methanone, (6-hydroxy-2-benzothiazolyl)(2-methoxyphenyl)- (9CI) (CA INDEX NAME)

L3 ANSWER 98 OF 162 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



L3 ANSWER 99 OF 162 CAPLUS COPYRIGHT 2007 ACS on STN

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ACCESSION NUMBER:        1996:509465  CAPLUS
DOCUMENT NUMBER:         125:167970
TITLE:                   Low molecular weight bicyclic thrombin inhibitors
INVENTOR(S):             Dimaio, John; Siddiqui, M. Arshad; Gillard, John W.;
                         St-Denis, Yves; Tarazi, Micheline; Preville, Patrice;
                         Levesque, Sophie; Bachand, Benoit
PATENT ASSIGNEE(S):      Biochem Pharma Inc., Can.
SOURCE:                  PCT Int. Appl., 182 pp.
                         CODEN: PIXXD2
DOCUMENT TYPE:           Patent
LANGUAGE:                English
FAMILY ACC. NUM. COUNT:  2
PATENT INFORMATION:

     PATENT NO.          KIND    DATE        APPLICATION NO.        DATE
     ---------------     ----    --------    --------------------   --------
     WO 9619483           A1     19960627    WO 1995-CA708          19951221
         W:  AL, AM, AT, AU, BB, BG, BR, BY, CA, CH, CN, CZ, DE, DK, EE, ES,
             FI, GB, GE, HU, IS, JP, KE, KG, KP, KR, KZ, LK, LR, LS, LT, LU,
             LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG,
             SI, SK
         RW: KE, LS, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FR, GB, GR, IE,
             IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR,
             NE, SN, TD, TG
     CA 2208772           A1     19960627    CA 1995-2208772        19951221
     AU 9642505           A      19960710    AU 1996-42505          19951221
     EP 802916            A1     19971029    EP 1995-940923         19951221
         R:  AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
             IE, SI, LT, LV
     CN 1175259           A      19980304    CN 1995-197614         19951221
     HU 77651             A2     19980728    HU 1998-216            19951221
     BR 9510433           A      19981110    BR 1995-10433          19951221
     NZ 297360            A      20000327    NZ 1995-297360         19951221
     AU 9540628           A      19960704    AU 1995-40628          19951222
     AU 715378            B2     20000203
     ZA 9510960           A      19960709    ZA 1995-10960          19951222
     ZA 9510961           A      19960709    ZA 1995-10961          19951222
     FI 9702466           A      19970819    FI 1997-2466           19970611
     NO 9702892           A      19970820    NO 1997-2892           19970620
     US 6057314           A      20000502    US 1997-880885         19970623
     LV 12019             B      19980720    LV 1997-141            19970715
     LT 4368              B      19980825    LT 1997-132            19970721
PRIORITY APPLN. INFO.:                       GB 1994-26038       A  19941222

                                             GB 1995-3136        A  19950217

                                             GB 1995-10265       A  19950522

                                             GB 1995-10266       A  19950522

                                             GB 1995-10267       A  19950522

                                             WO 1995-CA708       W  19951221

OTHER SOURCE(S):         MARPAT 125:167970
GI
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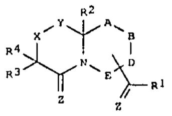
L3 ANSWER 99 OF 162 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



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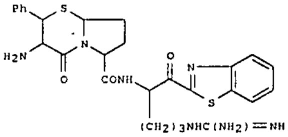

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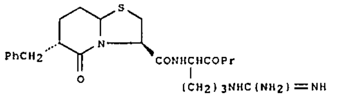


III

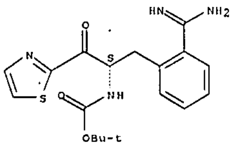
AB Heterobicyclic thrombin inhibitors I (A, B = CH, S, O, etc.; D = CH, C-alkyl, etc.; E = CH2, CH-acyl; X = O, NH, etc.; Y = O, S, SO, etc.; Z = O, S, etc.; R1 = e.g., arginyl moiety substituted with an amino acid or heterocycle; R2 = H or organyl; R3 = H, amino, etc.; R4 = H, aryl, cycloalkyl, etc.) were prepared Thus, benzothiazole derivative II was prepared in 7 steps from PhCH2SCH2CH(NHCBz)COOH and 4-hydroxyproline. In a fibrin clotting assay with human thrombin and bovine fibrinogen, another product (III) showed an IC50 (concentration required to double the clotting time relative to a control) of 47 μM.

IT 180151-78-4P 180151-87-5P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(low-mol.-weight bicyclic thrombin inhibitors)

RN 180151-78-4 CAPLUS
CN Carbamic acid, [1-[[2-(aminoiminomethyl)phenyl]methyl]-2-oxo-2-(2-thiazolyl)ethyl]-, 1,1-dimethylethyl ester, (S)- (9CI) (CA INDEX NAME)

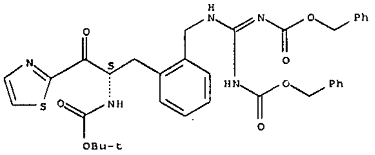
Absolute stereochemistry.

L3 ANSWER 99 OF 162 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



RN 180151-87-5 CAPLUS
CN Carbamic acid, [[[2-[2-[[(1,1-dimethylethoxy)carbonyl]amino]-3-oxo-3-(2-thiazolyl)propyl]phenyl]methyl]carbonimidoyl]bis-, bis(phenylmethyl) ester, (S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.
Double bond geometry unknown.



L3 ANSWER 100 OF 162 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1996:483485 CAPLUS
DOCUMENT NUMBER: 125:142741
TITLE: Preparation of N-phenyl-4-quinazolinamines for the treatment of proliferative diseases
INVENTOR(S): Brown, Dearg Sutherland; Morris, Jeffrey James; Thomas, Andrew Peter
PATENT ASSIGNEE(S): Zeneca Limited, UK
SOURCE: PCT Int. Appl., 120 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

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     PATENT NO.          KIND    DATE      APPLICATION NO.         DATE
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     WO 9615118           A1   19960523    WO 1995-GB2606          19951108
         W: AL, AM, AT, AU, BB, BG, BR, BY, CA, CH, CN, CZ, DE, DK, EE, ES,
             FI, GB, GE, HU, IS, JP, KE, KG, KP, KR, KZ, LK, LR, LS, LT, LU,
             LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG,
             SI, SK
         RW: KE, LS, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FR, GB, GR, IE,
             IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR,
             NE, SN, TD, TG
     CA 2200871           A1   19960523    CA 1995-2200871         19951108
     AU 9538130           A    19960606    AU 1995-38130           19951108
     AU 703328            B2   19990325
     EP 790986            A1   19970827    EP 1995-936044          19951108
     EP 790986            B1   19990120
         R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, MC, NL, PT,
SE
     JP 10508616          T    19980825    JP 1995-515816          19951108
     AT 175962            T    19990215    AT 1995-936044          19951108
     ES 2128092           T3   19990501    ES 1995-936044          19951108
     ZA 9509572           A    19960513    ZA 1995-9572            19951110
     IL 115959            A    20040620    IL 1995-115959          19951112
     FI 9701970           A    19970507    FI 1997-1970            19970507
     NO 9702152           A    19970512    NO 1997-2152            19970509
     NO 307178            B1   20000221
     US 5821246           A    19981013    US 1997-836362          19970521
PRIORITY APPLN. INFO.:                     GB 1994-22866       A   19941112

                                           GB 1995-7308        A   19950407

                                           WO 1995-GB2606      W   19951108
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OTHER SOURCE(S): MARPAT 125:142741
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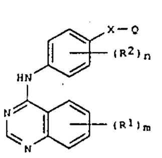
L3 ANSWER 100 OF 162 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



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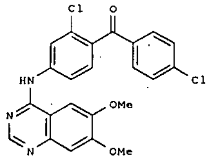
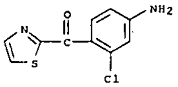


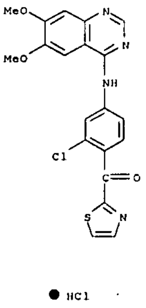
II

AB The title compds. I (m = 1-3; R1 = halo, hydroxy, amino, ureido, etc.; n = 0-3; R2 = halo, trifluoromethyl, hydroxy, amino, nitri, cyano, alkyl; X = carbonyl, methine, O,S, etc.) were disclosed. I were claimed for the use as receptor tyrosine kinase inhibitors and for treatment of proliferative disease such as cancer. An example compound is the chlorophenyl [(quinazolinyl)amino]phenyl methanone II.
IT 179687-64-0P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation of N-phenylquinazolinamines as tyrosine kinase inhibitors)
RN 179687-64-0 CAPLUS
CN Methanone, (4-amino-2-chlorophenyl)-2-thiazolyl- (9CI) (CA INDEX NAME)



IT 179687-31-1P
RL: SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of N-phenylquinazolinamines as tyrosine kinase inhibitors)
RN 179687-31-1 CAPLUS
CN Methanone, [2-chloro-4-[(6,7-dimethoxy-4-quinazolinyl)amino]phenyl]-2-thiazolyl-, monohydrochloride (9CI) (CA INDEX NAME)

L3 ANSWER 100 OF 162 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



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L3   ANSWER 101 OF 162  CAPLUS  COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER:         1996:444553  CAPLUS
DOCUMENT NUMBER:          125:328635
TITLE:                    Reaction of 2-(dialkylhydrazono)thioacetophenones
with
                          acetylenic dienophiles
AUTHOR(S):                Charrier, Jean-Damien; Reliquet, Alain; Reliquet,
                          Francoise; Meslin, Jean Claude
CORPORATE SOURCE:         Lab. Synthese Org., U.R.A. CNRS 475, Nantes, F-44072,
                          Fr.
SOURCE:                   Sulfur Letters (1996), 19(6), 255-260
                          CODEN: SULED2; ISSN: 0278-6117
PUBLISHER:                Harwood
DOCUMENT TYPE:            Journal
LANGUAGE:                 French
AB   2-(Dialkylhydrazono)thioacetophenones react with Me propiolate to give
     2-(dimethylamino)-2H-1,4-thiazines after dimethylamino group
transposition
     to the 2-position.  In one instance, reaction of a 2-
     (dialkylhydrazono)thioacetophenone with di-Me acetylenedicarboxylate gave
     a 4-(dimethylamino)-4H-1,4-thiazine.  In other cases, this intermediate
     gave rise to 2-(dimethylamino)-2H-1,4-thiazines or to 2-aroylthiazoles.
IT   183443-21-2P
     RL: SPN (Synthetic preparation); PREP (Preparation)
        (cycloaddn. reactions of (dialkylhydrazono)thioacetophenones with
        acetylenic dienophiles)
RN   183443-21-2  CAPLUS
CN   4,5-Thiazoledicarboxylic acid, 2-(2-fluorobenzoyl)-, dimethyl ester (9CI)
     (CA INDEX NAME)
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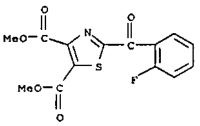

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L3   ANSWER 102 OF 162  CAPLUS  COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER:         1995:996288  CAPLUS
DOCUMENT NUMBER:          124:146156
TITLE:                    Preparation of oxime-containing heterocyclic
compounds
                          as agrochemical fungicides
INVENTOR(S):              Takase, Akira; Kai, Hiroyuki; Nishida, Kuniyoshi;
                          Iwakawa, Tsuneo; Ueda, Kazuo; Masuko, Michio
PATENT ASSIGNEE(S):       Shionogi and Co., Ltd., Japan
SOURCE:                   PCT Int. Appl., 497 pp.
                          CODEN: PIXXD2
DOCUMENT TYPE:            Patent
LANGUAGE:                 Japanese
FAMILY ACC. NUM. COUNT:   1
PATENT INFORMATION:

     PATENT NO.          KIND   DATE       APPLICATION NO.         DATE
     ---------------     ----   --------   --------------------    --------
     WO 9526956           A1    19951012   WO 1995-JP604           19950330
         W:  AM, AU, BB, BG, BR, BY, CA, CN, CZ, EE, FI, GE, HU, IS, JP, KG,
             KR, KZ, LK, LR, LT, LV, MD, MG, MN, MX, NO, NZ, PL, RO, RU, SG,
             SI, SK, TJ, TT, UA, US, UZ, VN
         RW: KE, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT,
             LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE,
             SN, TD, TG
     CA 2186947           A1    19951012   CA 1995-2186947         19950330
     AU 9520843           A     19951023   AU 1995-20843           19950330
     AU 685933            B2    19980129
     EP 754684            A1    19970122   EP 1995-913382          19950330
         R:  AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, MC, NL, PT,
SE
     CN 1144524           A     19970305   CN 1995-192324          19950330
     CN 1094487           B     20021120
     BR 9507203           A     19970909   BR 1995-7203            19950330
     US 6048885           A     20000411   US 1996-693224          19960821
     US 6268312           B1    20010731   US 1999-370255          19990809
     US 2002032227        A1    20020314   US 2000-728321          20001204
     US 6362212           B2    20020326
PRIORITY APPLN. INFO.:                     JP 1994-87819        A  19940401

                                           WO 1995-JP604        W  19950330

                                           US 1996-693224       A3 19960821

                                           US 1999-370255       A3 19990809

OTHER SOURCE(S):          MARPAT 124:146156
GI
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L3   ANSWER 102 OF 162  CAPLUS  COPYRIGHT 2007 ACS on STN      (Continued)
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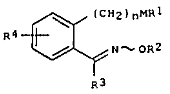

I

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AB   The title compds. I [R1 represents optionally substituted aryl,
optionally
     substituted heterocyclle, mono- or di-substituted methyleneamino,
     optionally substituted (substituted imino)methyl, optionally substituted
     alkyl, optionally substituted alkenyl, optionally substituted alkynyl,
     substituted carbonyl or substituted sulfonyl; R2 represents alkyl,
     alkenyl, alkynyl or cycloalkyl; R3 represents optionally substituted
     heterocycle; R4 represents hydrogen, alkyl, alkoxy, halogen, nitro, cyano
     or haloalkyl; M represents oxygen, S(O)i (i being 0, 1 or 2), NR16 (R16
     being hydrogen, alkyl or acyl) or a single bond; n represents 0 or 1,
     provided n represents 1 when R3 represents imidazol-1-yl or
     1H-1,2,4-triazol-1-yl; and the wavy line represents the E form, Z form or
     a mixture thereof] are prepared  A table containing 3140 compds. of this
invention
     (including 293 compds. with data such m. p. or NMR data) and 36 synthetic
     examples dealing with the preparation of compds. of this invention are
given in
     this document.  In preventive tests, I [R1 = phenyl; R2 = methyl; R3 =
     imidazol-1-yl; R4 = H; M = O; n = 1] (m. p. 66 - 67.5°) at 500 ppm
     gave 90% control of Pyricularia oryzae, 100% control of Sphaerotheca
     fuliginea, and 100% control of Botrytis cinerea.
IT   173304-45-5P
     RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT
     (Reactant or reagent)
        (preparation of oxime-containing heterocyclic compds. as agrochem.
fungicides)
RN   173304-45-5  CAPLUS
CN   Methanone, [2-[(2,5-dimethylphenoxy)methyl]phenyl]-2-thiazolyl- (9CI)
(CA
     INDEX NAME)
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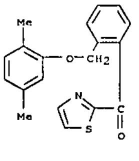

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L3   ANSWER 103 OF 162  CAPLUS  COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER:         1995:817505  CAPLUS
DOCUMENT NUMBER:          124:56432
TITLE:                    Synthesis of isoflavone 7-O-β-D-glucopyranosides
                          and their heterocyclic analogs
AUTHOR(S):                Pivovarenko, V. G.; Khilya, V. P.
CORPORATE SOURCE:         Kiev Univ., Ukraine
SOURCE:                   Khimiya Prirodnykh Soedinenii (1993), (2), 220-7
                          CODEN: KPSUAR; ISSN: 0023-1150
PUBLISHER:                Fan
DOCUMENT TYPE:            Journal
LANGUAGE:                 Russian
GI
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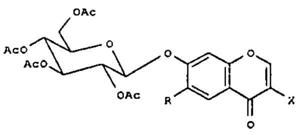

I

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AB   Title compds. such as I (R = OH, X = Ph; R = H, X = 2-pyridinyl,
     2-quinolinyl) were prepared from acetophenones and acetobromoglucose.
IT   75896-41-2
     RL: RCT (Reactant); RACT (Reactant or reagent)
        (preparation of isoflavone glucopyranosides and their heterocyclic
analogs)
RN   75896-41-2  CAPLUS
CN   Ethanone, 1-(2,4-dihydroxyphenyl)-2-(4-methyl-2-thiazolyl)- (9CI)  (CA
     INDEX NAME)
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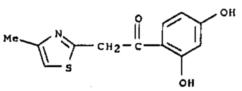

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IT   102099-26-3P
     RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT
     (Reactant or reagent)
        (preparation of isoflavone glucopyranosides and their heterocyclic
analogs)
RN   102099-26-3  CAPLUS
CN   Ethanone, 1-[2-hydroxy-4-[(2,3,4,6-tetra-O-acetyl-β-D-
     glucopyranosyl)oxy]phenyl]-2-(4-methyl-2-thiazolyl)- (9CI)  (CA INDEX
     NAME)

Absolute stereochemistry.
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L3   ANSWER 103 OF 162  CAPLUS  COPYRIGHT 2007 ACS on STN      (Continued)
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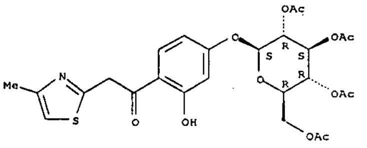

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L3   ANSWER 104 OF 162  CAPLUS  COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER:          1995:812809  CAPLUS
DOCUMENT NUMBER:           123:228227
TITLE:                     Preparation of 1-acylmethyl-2-oxo-3-phenylureido-5-
                           heterocyclyl-1,4-benzodiazepines useful as CCK-B
                           and/or gastrin receptor antagonists.
INVENTOR(S):               Semple, Graeme; Ryder, Hamish; Szelke, Michael;
Satoh,
                           Masato; Ohta, Mitsuaki; Miyata, Keiji; Nishida,
Akito;
                           Ishii, Masato
PATENT ASSIGNEE(S):        Yamanouchi Pharmaceutical Co. Ltd., Japan; Ferring
                           Research Ltd.
SOURCE:                    PCT Int. Appl., 77 pp.
                           CODEN: PIXXD2
DOCUMENT TYPE:             Patent
LANGUAGE:                  English
FAMILY ACC. NUM. COUNT:    1
PATENT INFORMATION:

     PATENT NO.          KIND    DATE        APPLICATION NO.        DATE
     ---------------     ----    --------    --------------------   --------
     WO 9506040           A1     19950302    WO 1994-GB1859         19940825
         W:  AM, AT, AU, BB, BG, BR, BY, CA, CH, CN, CZ, DE, DK, EE, ES, FI,
             GB, GE, HU, JP, KE, KG, KP, KR, KZ, LK, LT, LU, LV, MD, MG, MN,
             MW, NL, NO, NZ, PL, PT, RO, RU, SD, SE, SI, SK, TJ, TT, UA, US,
             UZ, VN
         RW: KE, MW, SD, AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC,
             NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD,
TG
     GB 2282595           A      19950412    GB 1993-17693          19930825
     CA 2169089           A1     19950302    CA 1994-2169089        19940825
     AU 9474661           A      19950321    AU 1994-74661          19940825
     AU 687433            B2     19980226
     ZA 9406474           A      19960325    ZA 1994-6474           19940825
     EP 715624            A1     19960612    EP 1994-924368         19940825
     EP 715624            B1     19980408
         R:  AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, MC, NL, PT,
SE
     CN 1129442           A      19960821    CN 1994-193134         19940825
     HU 73978             A2     19961028    HU 1996-205            19940825
     JP 09504005          T      19970422    JP 1994-507439         19940825
     AT 164840            T      19980415    AT 1994-924368         19940825
     ES 2117797           T3     19980816    ES 1994-924368         19940825
     FI 9600836           A      19960422    FI 1996-836            19960223
     NO 9600747           A      19960425    NO 1996-747            19960223
     US 5728829           A      19980317    US 1996-591567         19960502
PRIORITY APPLN. INFO.:                       GB 1993-17693       A  19930825

                                             WO 1994-GB1859      W  19940825

OTHER SOURCE(S):           CASREACT 123:228227; MARPAT 123:228227
GI
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L3   ANSWER 104 OF 162  CAPLUS  COPYRIGHT 2007 ACS on STN      (Continued)
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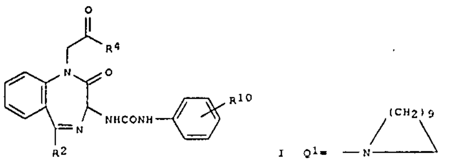

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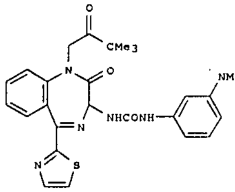

II

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AB   Title compds. [I; R4 = alkyl, cycloalkyl, aryl; R10 = halo, OH, Me, OMe,
     NR11R12, NO2, NHCHO, CO2H, cyano; R11, R12 = H, alkyl; NR11R12 = Q1; a =
     1-6; R2 = aromatic 5- or 6-membered (substituted) heterocyclyl containing
     ≥2 heteroatoms of which ≥1 is N], were prepared  Thus, title
     compound (II), prepared from 2-aminophenyl 2-thiazolyl ketone via
     3-amino-1-tert-butylcarbonylmethyl-2,3-dihydro-5-(2-thiazolyl)-1H-1,4-
     benzodiazepin-2-one, at 0.1 μmol/kg in rats inhibited
     pentagastrin-stimulated gastric acid secretion by 55.2%.  Tablets were
     prepared containing II.
IT   39254-87-0, 2-Aminophenyl 2-thiazolyl ketone
     RL: RCT (Reactant); RACT (Reactant or reagent)
        (preparation of benzodiazepinones useful as CCK-B and/or gastrin
receptor
        antagonists)
RN   39254-87-0  CAPLUS
CN   Methanone, (2-aminophenyl)-2-thiazolyl- (9CI)  (CA INDEX NAME)
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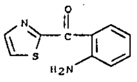

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L3   ANSWER 105 OF 162  CAPLUS  COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER:          1995:761659  CAPLUS
DOCUMENT NUMBER:           123:183313
TITLE:                     Silver halide photographic material
INVENTOR(S):               Mizukawa, Hiroki; Kobayashi, Hidetoshi
PATENT ASSIGNEE(S):        Fuji Photo Film Co Ltd, Japan
SOURCE:                    Jpn. Kokai Tokkyo Koho, 81 pp.
                           CODEN: JKXXAF
DOCUMENT TYPE:             Patent
LANGUAGE:                  Japanese
FAMILY ACC. NUM. COUNT:    1
PATENT INFORMATION:

     PATENT NO.          KIND    DATE        APPLICATION NO.        DATE
     ---------------     ----    --------    --------------------   --------
     JP 07110558          A      19950425    JP 1993-277332         19931012
     US 5487968           A      19960130    US 1994-321980         19941012
PRIORITY APPLN. INFO.:                       JP 1993-277332      A  19931012

GI
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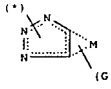

I

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AB   The title photog. material comprises a development-inhibitor-releasing
     (DIR) coupler, A-(TIME)m-(RED)n-Q (A = group releasing (TIME)m-(RED)n-Q
     upon reaction with oxidized aromatic primary amine developing agent;
TIME =
     timing group releasing (RED)n-Q after being released from A; RED = group
     releasing Q upon reaction with oxidized developing agent after releasing
     TIME; m = 0-2; n = 0, 1; Q = II; M = nonmetallic atomic group which
contains
     O, S, and/or N and forms 5-7-membered ring with 2 carbons in
     1,2,3,-triazole ring; G = substituent; f = 0-5).
IT   167228-36-6
     RL: TEM (Technical or engineered material use); USES (Uses)
        (development-inhibitor-releasing photog. coupler)
RN   167228-36-6  CAPLUS
CN   1,2,3-Triazolo[4,5-d]pyrimidine-N-acetamide, α-2-benzothiazolyl-N-[2-

chloro-5-[[[2-chloro-5-[(dodecylamino)sulfonyl]phenyl]amino]sulfonyl]pheny
     l]- (9CI)  (CA INDEX NAME)

     CM   1

     CRN  167228-35-5
     CMF  C37 H45 Cl2 N9 O5 S3
     CCI  IDS
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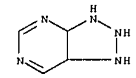
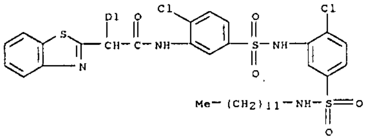
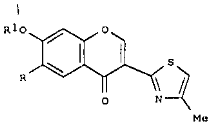
L3 ANSWER 105 OF 162 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



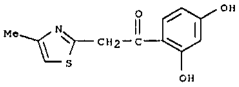


L3 ANSWER 106 OF 162 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1995:747633 CAPLUS
DOCUMENT NUMBER: 123:339852
TITLE: Chemistry of modified flavonoids. 18. Thiazole
analogs
of isoflavones. Homologous and isomeric series
AUTHOR(S): Gorbulenko, N. V.; Turov, A. V.; Khilya, V. P.
CORPORATE SOURCE: Kiev. Univ., Ukraine
SOURCE: Khimiya Geterotsiklicheskikh Soedinenii (1995), (4), 505-13
CODEN: KGSSAQ; ISSN: 0132-6244
PUBLISHER: Latviiskii Institut Organicheskogo Sinteza
DOCUMENT TYPE: Journal
LANGUAGE: Russian
GI



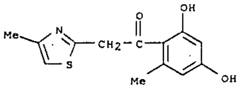
I

AB Thiazole analogs of isoflavones, e.g., I (R = alkyl; R1 = H, CHMeCOOEt), were prepared from alkyldihydroxy derivs. of α-(4-methyl-2-thiazolyl)acetophenone. The products were tested for hypolipidemic, hypoglycemic, and analeptic activity.
IT 75896-41-2P 75896-42-3P 75896-43-4P
170466-77-0P 170466-78-1P 170466-79-2P
170466-80-5P 170466-81-6P 170466-82-7P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(thiazole analogs of isoflavones)
RN 75896-41-2 CAPLUS
CN Ethanone, 1-(2,4-dihydroxyphenyl)-2-(4-methyl-2-thiazolyl)- (9CI) (CA INDEX NAME)

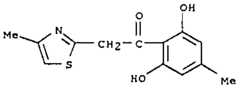


RN 75896-42-3 CAPLUS
CN Ethanone, 1-(2,4-dihydroxy-6-methylphenyl)-2-(4-methyl-2-thiazolyl)- (9CI)
(CA INDEX NAME)

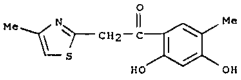
L3 ANSWER 106 OF 162 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



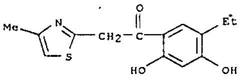
RN 75896-43-4 CAPLUS
CN Ethanone, 1-(2,6-dihydroxy-4-methylphenyl)-2-(4-methyl-2-thiazolyl)- (9CI)
(CA INDEX NAME)



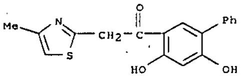
RN 170466-77-0 CAPLUS
CN Ethanone, 1-(2,4-dihydroxy-5-methylphenyl)-2-(4-methyl-2-thiazolyl)- (9CI)
(CA INDEX NAME)



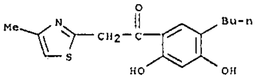
RN 170466-78-1 CAPLUS
CN Ethanone, 1-(5-ethyl-2,4-dihydroxyphenyl)-2-(4-methyl-2-thiazolyl)- (CA INDEX NAME)



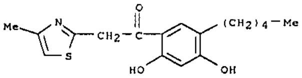
RN 170466-79-2 CAPLUS
CN Ethanone, 1-(4,6-dihydroxy[1,1'-biphenyl]-3-yl)-2-(4-methyl-2-thiazolyl)- (9CI) (CA INDEX NAME)



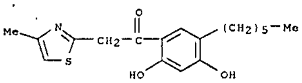
L3 ANSWER 106 OF 162 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)
RN 170466-80-5 CAPLUS
CN Ethanone, 1-(5-butyl-2,4-dihydroxyphenyl)-2-(4-methyl-2-thiazolyl)- (9CI) (CA INDEX NAME)



RN 170466-81-6 CAPLUS
CN Ethanone, 1-(2,4-dihydroxy-5-pentylphenyl)-2-(4-methyl-2-thiazolyl)- (9CI)
(CA INDEX NAME)



RN 170466-82-7 CAPLUS
CN Ethanone, 1-(5-hexyl-2,4-dihydroxyphenyl)-2-(4-methyl-2-thiazolyl)- (9CI) (CA INDEX NAME)



L3 ANSWER 107 OF 162 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1995:420294 CAPLUS
DOCUMENT NUMBER: 122:174183
TITLE: Method for forming silver halide color photographic image
INVENTOR(S): Kimura, Keizo
PATENT ASSIGNEE(S): Fuji Photo Film Co Ltd, Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 73 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 06250361	A	19940909	JP 1993-33723	19930223

PRIORITY APPLN. INFO.: JP 1993-33723 19930223

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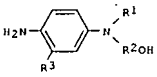
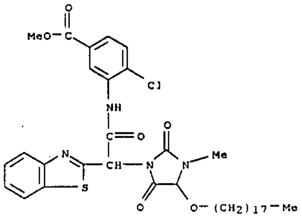


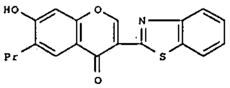
I

AB The title method comprises development of a color photog. material which contains a compound capable of having a coupling reaction with an oxidized developing agent but incapable of contributing to image formation, in which a developer comprises a developing agent containing I [R1 = C1-6 alkyl, C3-8 hydroxyalkyl; R2 = C3-8 alkylene; R3 = H, C1-4 alkyl, alkoxy, alkylamino, ureido, sulfamoylamino, alkoxycarbonylamino, sulfoneamide].
IT 158718-68-4
RL: DEV (Device component use); USES (Uses)
(formation of silver halide color photog. image)
RN 158718-68-4 CAPLUS
CN Benzoic acid, 3-[[2-benzothiazolyl[3-methyl-4-(octadecyloxy)-2,5-dioxo-1-imidazolidinyl]acetyl]amino]-4-chloro-, methyl ester (9CI) (CA INDEX NAME)

L3 ANSWER 107 OF 162 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

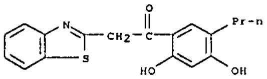


L3 ANSWER 108 OF 162 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1995:393115 CAPLUS
DOCUMENT NUMBER: 122:290759
TITLE: Chemistry of isoflavone hetero analogs. 16. Benzothiazole analogs of isoflavones
AUTHOR(S): Gorbulenko, N. V.; Frasinyuk, M. S.; Khilya, V. P.
CORPORATE SOURCE: Kiev Univ., Ukraine
SOURCE: Khimiya Geterotsiklicheskikh Soedinenii (1994), (4), 464-71
CODEN: KGSSAQ; ISSN: 0132-6244
PUBLISHER: Latviiskii Institut Organicheskogo Sinteza
DOCUMENT TYPE: Journal
LANGUAGE: Russian
OTHER SOURCE(S): CASREACT 122:290759
GI

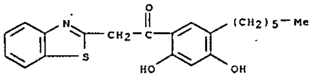


I

AB The reactions of 5'-alkyl-α-2-benzothiazolyl-2',4'-dihydroxyacetophenone with carboxylic acid chlorides and anhydrides gave benzothiazolylchromones such as I. The acylation, alkylation, and aminoacylation of these products and their reactions with electrophilic and nucleophilic reagents were examined
IT 136506-90-6P 163126-70-3P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation and reactions of benzothiazole analogs of isoflavones)
RN 136506-90-6 CAPLUS
CN Ethanone, 2-(2-benzothiazolyl)-1-(2,4-dihydroxy-5-propylphenyl)- (9CI) (CA INDEX NAME)

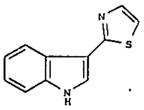


RN 163126-70-3 CAPLUS
CN Ethanone, 2-(2-benzothiazolyl)-1-(5-hexyl-2,4-dihydroxyphenyl)- (9CI) (CA INDEX NAME)



L3 ANSWER 108 OF 162 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

L3 ANSWER 109 OF 162 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1995:345968 CAPLUS
DOCUMENT NUMBER: 122:214313
TITLE: Syntheses of camalexin, indolopyridocoline and flavopereirine
AUTHOR(S): Fuerstner, Alois; Ernst, Andreas
CORPORATE SOURCE: Max-Planck-Inst. Kohlenforschung, Kaiser-Wilhelm-Platz 1, Muelheim/Ruhr, D-45470, Germany
SOURCE: Tetrahedron (1995), 51(3), 773-86
CODEN: TETRAB; ISSN: 0040-4020
PUBLISHER: Elsevier
DOCUMENT TYPE: Journal
LANGUAGE: English
OTHER SOURCE(S): CASREACT 122:214313
GI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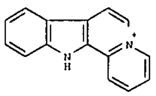
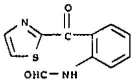

II

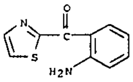
AB A short synthetic route to the phytoalexin camalexin (I) and a convergent approach to the alkaloids indolopyridocoline (II), 6,7-dihydroflavopereirine and flavopereirine are presented. Starting from well accessible precursors, these total syntheses highlight the preparative potential of a new method for indole synthesis based on the formation of the C2-C3 bond by low-valent titanium induced reductive coupling of oxo-amides.

IT 161988-57-4P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(syntheses of camalexin, indolopyridocoline and flavopereirine)
RN 161988-57-4 CAPLUS
CN Formamide, N-[2-(2-thiazolylcarbonyl)phenyl]- (9CI) (CA INDEX NAME)

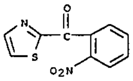


IT 39254-87-0P
RL: SPN (Synthetic preparation); PREP (Preparation)

L3 ANSWER 109 OF 162 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)
(syntheses of camalexin, indolopyridocoline and flavopereirine)
RN 39254-87-0 CAPLUS
CN Methanone, (2-aminophenyl)-2-thiazolyl- (9CI) (CA INDEX NAME)



IT 39264-16-9P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(synthesis of calmexin, indolopyridocoline and flavopereirine)
RN 39264-16-9 CAPLUS
CN Methanone, (2-nitrophenyl)-2-thiazolyl- (9CI) (CA INDEX NAME)



L3 ANSWER 110 OF 162 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1994:667669 CAPLUS
DOCUMENT NUMBER: 121:267669
TITLE: silver halide color photographic material
INVENTOR(S): Ishii, Yoshio; Kawagishi, Toshio; Morita, Kensuke
PATENT ASSIGNEE(S): Fuji Photo Film Co Ltd, Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 99 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 06083002	A	19940325	JP 1992-260559	19920904
PRIORITY APPLN. INFO.:			JP 1992-260559	19920904

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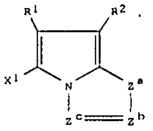
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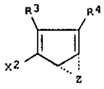
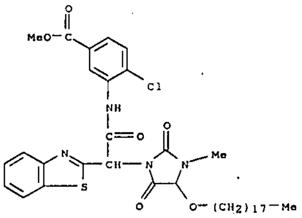

II

AB A silver halide color photog. material showing improved storage stability and color reproducibility and exhibiting decreased background staining after processing comprises a cyan coupler represented by the formula I or II (Za = NH or CHR5; Zb, Zc = N or CR6; R1, R2, R5 = an electron-attracting group having a Hammet's substituent constant σp of ≥0.20 with the sum of the σp values for R1 and R2 being ≥0.65; R3, R6 = H or a substituent group; R4 = a substituent group; Z = a nonmetallic group for forming a N-containing 6-membered ring; X1, X2 = H or a group to be released upon coupling reaction with an oxidized aromatic primary amine developing agent) and a compound represented by the formula AB (A = a group which releases the group B upon reaction with an oxidized developing agent and forms a compound not contributing to the formation of a color image; B = a group which releases from the compound upon coupling reaction with an oxidized developing agent).

IT 158718-68-4
RL: TEM (Technical or engineered material use); USES (Uses)
(silver halide color photog. materials containing)
RN 158718-68-4 CAPLUS
CN Benzoic acid, 3-[[2-benzothiazolyl[3-methyl-4-(octadecyloxy)-2,5-dioxo-1-imidazolidinyl]acetyl]amino]-4-chloro-, methyl ester (9CI) (CA INDEX NAME)

L3 ANSWER 110 OF 162 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



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L3   ANSWER 111 OF 162  CAPLUS  COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER:         1994:557637  CAPLUS
DOCUMENT NUMBER:          121:157637
TITLE:                    Preparation of oxazole and thiazole derivatives as
                          pesticides
INVENTOR(S):              Kumita, Izumi; Noda, Kaoru; Kishimoto, Takashi;
                          Shibata, Yasushi
PATENT ASSIGNEE(S):       Nippon Soda Co., Ltd., Japan
SOURCE:                   PCT Int. Appl., 40 pp.
                          CODEN: PIXXD2
DOCUMENT TYPE:            Patent
LANGUAGE:                 Japanese
FAMILY ACC. NUM. COUNT:   1
PATENT INFORMATION:

     PATENT NO.          KIND   DATE       APPLICATION NO.        DATE
     ---------------     ----   --------   --------------------   --------
     WO 9408982           A1    19940428   WO 1993-JP1459         19931012
         W:  AT, AU, BB, BG, BR, CA, CH, CZ, DE, DK, ES, FI, GB, HU, JP, KR,
             LK, LU, MG, MN, MW, NL, NO, NZ, PL, PT, RO, RU, SD, SE, SK, UA,
US
         RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE,
             BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG
     AU 9351188           A     19940509   AU 1993-51188          19931012
PRIORITY APPLN. INFO.:                     JP 1992-299094      A  19921013

                                           JP 1992-357334      A  19921224

                                           JP 1993-123549      A  19930427

                                           JP 1993-158178      A  19930604

                                           WO 1993-JP1459      W  19931012

OTHER SOURCE(S):          MARPAT 121:157637
GI
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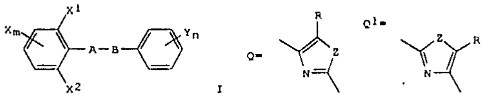

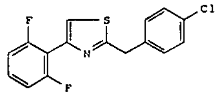

II

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L3   ANSWER 111 OF 162  CAPLUS  COPYRIGHT 2007 ACS on STN     (Continued)

AB   Compds. represented by general formula [I; X, X1 = halo, (un)substituted
     alkyl, alkoxy, alkylthio, alkoxycarbonyl, or NH2; X2 = H, any group
listed
     in X and X2; m = 0-3; A = Q, Q1 (wherein Z = O, S; R = H, halo, alkyl,
     etc.); B = CR1R2, CR1R2CR3R4, CR1:CR3, CO (wherein R1, R2, R3, R4 = H,
     halo, alkyl, cycloalkyl, alkoxycarbonyl, alkylcarbamoyl,
     alkylthiocarbamoyl, phenylcarbamoyl, phenylthiocarbamoyl, etc.); Y = H,
     halo, (un)substituted C1-C14 alkyl, C2-14 alkenyl or alkynyl, Ph, C3-8
     cycloalkyl, alkylthio, alkylsulfonyl, PhSO, PhSO2, NH2, etc.; n = 0-5],
     having an excellent control effect particularly on cockroach and mite,
are
     prepared  A pest control agent containing I is claimed.  Thus, 1.3 g
     α-bromo-2,6-difluoroacetophenone and 1.0 g 4-
     chlorophenylthioacetamide was dissolved in EtOH and refluxed for 2 h to
     give thiazole derivative (II) which at 125 ppm killed Aphis gossypii on
     cucumber seedlings.
IT   157359-57-4P
     RL: AGR (Agricultural use); BAC (Biological activity or effector, except
     adverse); BSU (Biological study, unclassified); SPN (Synthetic
     preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
        (preparation of, as pesticide)
RN   157359-57-4  CAPLUS
CN   Methanone, [4-(2,6-difluorophenyl)-2-thiazolyl](2-fluorophenyl)- (9CI)
     (CA INDEX NAME)
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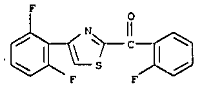

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L3   ANSWER 112 OF 162  CAPLUS  COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER:         1994:134401  CAPLUS
DOCUMENT NUMBER:          120:134401
TITLE:                    Novel antiasthmatic agents with dual activities of
                          thromboxane A2 synthetase inhibition and
                          bronchodilation. 2.
4-(3-Pyridyl)-1(2H)-phthalazinones
AUTHOR(S):                Yamaguchi, Masahisa; Kamei, Kenshi; Koga, Takaki;
                          Akima, Michitaka; Maruyama, Akinori; Kuroki, Toshio;
                          Ohi, Nobuhiro
CORPORATE SOURCE:         Fuji-Gotemba Res. Lab., Chugai Pharm. Co., Ltd.,
                          Gotemba, 412, Japan
SOURCE:                   Journal of Medicinal Chemistry (1993), 36(25), 4061-8
                          CODEN: JMCMAR; ISSN: 0022-2623
DOCUMENT TYPE:            Journal
LANGUAGE:                 English
OTHER SOURCE(S):          CASREACT 120:134401
GI
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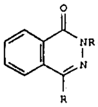

I

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AB   A series of novel 4-(3-pyridyl)-1(2H)-phthalazinone derivs. which possess
     dual activities of thromboxane A2 (TXA2) synthetase inhibition and
     bronchodilation was synthesized, and their pharmacol. activities were
     evaluated.  While the length and the bulk of 2-alkyl substituents had no
     influence on either activity, the 2-substituents with polar groups
reduced
     bronchodilatory activity.  On introduction of heteroarom. nuclei into the
     4-position of the phthalazinone I (R = 1-imidazolyl, R1 = Et) and I (R =
     5-thiazolyl, R1 = Me, Et) were as active as the parent I (R = 3-pyridyl,
     R1 = Et).  These findings suggest that heteroarom. nuclei at the
     4-position of phthalazinones play a critical role in TXA2 synthetase
     inhibition.  Addnl., the hydrophobicity of the compds. was found to exert
     a marked influence on bronchodilatory activity.  These observations led
to
     the selection of 2-ethyl-4-(3-pyridyl)-1(2H)-phthalazinone (I, R =
     3-pyridyl, R1 = Et) (KK-505) and 2-methyl-4-(5-thiazolyl)-1(2H)-
     phthalazinone (I, R = 5-thiazolyl, R1 = Me,) (KK-562) for further
studies.
     Although their precise mechanism of action remains unclear, this series
of
     novel phthalazinone derivs. represents a new class of antiasthma agents
     with dual activities.
IT   137382-37-7P
     RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT
     (Reactant or reagent)
        (preparation and cyclization of, with hydrazine)
RN   137382-37-7  CAPLUS
CN   Benzoic acid, 2-(2-thiazolylcarbonyl)- (9CI)  (CA INDEX NAME)
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L3   ANSWER 112 OF 162  CAPLUS  COPYRIGHT 2007 ACS on STN     (Continued)
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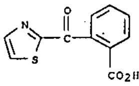

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L3   ANSWER 113 OF 162  CAPLUS  COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER:         1993:254935  CAPLUS
DOCUMENT NUMBER:          118:254935
TITLE:                    Preparation of 4-(2-pyridyl)thiazole and
                          3-(2-pyridyl)-1,2,4-thiadiazole derivatives as
                          agrochemical and horticultural fungicides
INVENTOR(S):              Kasahara, Isamu; Iihama, Teruyuki; Hashimoto, Shou;
                          Sano, Shinsuke
PATENT ASSIGNEE(S):       Nippon Soda Co., Ltd., Japan
SOURCE:                   PCT Int. Appl., 106 pp.
                          CODEN: PIXXD2
DOCUMENT TYPE:            Patent
LANGUAGE:                 Japanese
FAMILY ACC. NUM. COUNT:   1
PATENT INFORMATION:

     PATENT NO.          KIND    DATE         APPLICATION NO.         DATE
     ---------------     ----    --------     --------------------    --------
     WO 9216527           A1     19921001     WO 1992-JP336           19920319
         W:  AT, AU, BB, BG, BR, CA, CH, CS, DE, DK, ES, FI, GB, HU, JP, KR,
             LK, LU, MG, MN, MW, NL, NO, PL, RO, RU, SD, SE, US
         RW: AT, BE, BF, BJ, CF, CG, CH, CI, CM, DE, DK, ES, FR, GA, GB, GN,
             GR, IT, LU, MC, ML, MR, NL, SE, SN, TD, TG
     AU 9214223           A      19921021     AU 1992-14223           19920319
     CN 1065268           A      19921014     CN 1992-102046          19920321
PRIORITY APPLN. INFO.:                        JP 1991-83590        A  19910322

                                              JP 1991-255891       A  19910909

                                              WO 1992-JP336        W  19920319

OTHER SOURCE(S):          MARPAT 118:254935
GI
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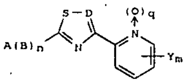

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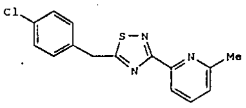

II

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AB   The title compds. [I; A = (un)substituted (hetero)aryl; B = O, S, NR,
     CR1R2, CR1R2CR3R4, CR1R2CR3R4CR5R6; R = H, alkyl, or acyl; R1-R6 = H,
     halo, alkyl, HO, cyano, Ph, alkylcarbonyloxy, alkylthio,
     alkylcarbamoyloxy, (alkoxy-substituted)alkoxy, hydroxyalkyl; or R1R2,
     R3R4, R5R6 = O, S, NH, (un)substituted alkylidene, oxiranyl, cycloalkyl;
     or R1R3, R3R5 denoting a double bond; n = 0, 1; D = CR7, N; R7 = H, halo,
     alkyl, alkoxy, HO, cyano, alkylcarbonyloxy, CHO, hydroxyiminomethyl,
CO2H,
     trialkylsilyl, (un)substituted NH2; Y = alkyl, halo, alkoxy, acyloxy,
     PhCH2O, alkylsulfonyloxy, (un)substituted PhSO3, alkylthio, mono- or
     dialkylamino, carbamoyloxyalkyl, CH:CHCH:CH, (alkoxy-substituted) Ph; m =
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L3   ANSWER 114 OF 162  CAPLUS  COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER:         1993:254921  CAPLUS
DOCUMENT NUMBER:          118:254921
TITLE:                    Preparation of optically active 2-[(2-
                          thiazolylphenyl)]alkanoic acid derivatives as
                          antiinflammatory, analgesic, and antipyretic agents
INVENTOR(S):              Ono, Shinichiro; Hirata, Mitsuru; Murakami, Kazuki;
                          Maeda, Kazumi; Fukaya, Tsutomu
PATENT ASSIGNEE(S):       Green Cross Corp., Japan
SOURCE:                   Jpn. Kokai Tokkyo Koho, 16 pp.
                          CODEN: JKXXAF
DOCUMENT TYPE:            Patent
LANGUAGE:                 Japanese
FAMILY ACC. NUM. COUNT:   1
PATENT INFORMATION:

     PATENT NO.          KIND    DATE         APPLICATION NO.         DATE
     ---------------     ----    --------     --------------------    --------
     JP 04264076          A      19920918     JP 1991-44478           19910215
PRIORITY APPLN. INFO.:                        JP 1991-44478           19910215

OTHER SOURCE(S):          MARPAT 118:254921
GI
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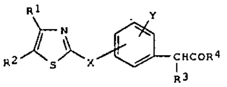

I

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AB   The title compds. (I; R1, R2 = H, halo, alkyl, alkenyl, NO2, CF3,
     (un)substituted Ph, pyridyl, or CONH2, CO2H, alkoxy, alkoxycarbonyl,
     alkylthio, acyl; R3 = alkyl; R4 = OH, alkoxy, (un)substituted NH2; X =
     direct bond, CH2, CO; Y = H, halo, alkyl, NO2, CF3, alkylthio,
     (un)substituted NH2; or Y = OH or alkoxy, only when X is at the
p-position
     to CHR3COR4) are prepared by hydrolysis of the racemates with lipase from
     Candida cylindracea or optical resolution of the racemates with an
optically
     active amine.  Thus, 735 mg (R)-(+)-α-methylbenzylamine (II) was
     added dropwise over 1 min to a mixture of 3.0 g
(±)-2-[4-(4-methylthiazol-
     2-yl)]phenyl]propionic acid (III), 618 mg Et3N, and 175 mL PhMe, then the
     mixture was refluxed for 50 min and was allowed to cool over 10 h to give
     after collecting precipitated crystals and washing with PhMe a
phenylethylamine
     salt of 71.3% e.e. which was recrystd. from PhMe four times to give 36%
     II-(+)-III salt of 96.3% e.e.  This salt was decomposed with dilute HCl
to
     give 79% (+)-III of 97.0% e.e. which showed IC50 of 7.05 + 10-10 M
     for inhibiting cyclooxygenase, vs. 8.01 + 10-8 M for the racemate.
     Optical resolution of (±)-2-[4-(5,6-dihydro-4H-cyclopenta[α]thiazol-
     2-yl)phenyl]propionic acid with (-)-cinchonidine gave (+)-enantiomer.
IT   132483-40-0P 132483-41-1P
     RL: SPN (Synthetic preparation); PREP (Preparation)
        (preparation of, as intermediate for optically active
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L3   ANSWER 113 OF 162  CAPLUS  COPYRIGHT 2007 ACS on STN     (Continued)
     0, 1, 2; q = 0, 1] are prepd.  Thus, cyclocondensation of
     6-methyl-2-picolinamidine hydrochloride with CCl3SCl in aq. NaOH at
     5-10° and coupling of the resulting 5-chloro-3-(6-methyl-2-pyridyl)-
     1,2,4-thiadiazole with 4-ClC6H4CH2MgCl (prepn. given) in the presence of
     (diphenylphosphinoethane)nickel chloride in Et2O gave a title compd.
(II).
     A total of 244 I were prepd., many of which completely controlled
     Cercospora beticola, Erysiphe graminis f.sp. tritici, Pyricularia oryzae,
     Venturia inaequalis, and Mycosphaerella arachidis.
IT   147110-10-9P
     RL: AGR (Agricultural use); BAC (Biological activity or effector, except
     adverse); BSU (Biological study, unclassified); SPN (Synthetic
     preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
        (preparation of, as agrochem. fungicide)
RN   147110-10-9  CAPLUS
CN   Methanone, (2,6-difluorophenyl)[4-(6-methyl-2-pyridinyl)-2-thiazolyl]-
     (9CI)  (CA INDEX NAME)
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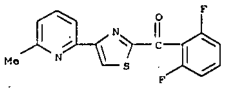

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L3   ANSWER 114 OF 162  CAPLUS  COPYRIGHT 2007 ACS on STN     (Continued)
        analgesic, and antipyretic agent)
RN   132483-40-0  CAPLUS
CN   Benzeneacetic acid, 4-chloro-α-methyl-3-(2-thiazolylcarbonyl)- (9CI)
        (CA INDEX NAME)
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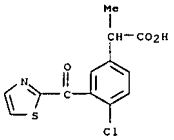

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RN   132483-41-1  CAPLUS
CN   Benzeneacetic acid, 2-chloro-α-methyl-3-(2-thiazolylcarbonyl)- (9CI)
        (CA INDEX NAME)
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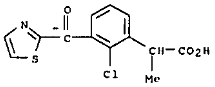

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L3   ANSWER 115 OF 162  CAPLUS  COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER:         1993:234096  CAPLUS
DOCUMENT NUMBER:          118:234096
TITLE:                    Benzodiazepine derivatives, compositions containing
                          them and their use in therapy
INVENTOR(S):              Fletcher, Stephen Robert; Showell, Graham Andrew
PATENT ASSIGNEE(S):       Merck Sharp and Dohme Ltd., UK
SOURCE:                   PCT Int. Appl., 39 pp.
                          CODEN: PIXXD2
DOCUMENT TYPE:            Patent
LANGUAGE:                 English
FAMILY ACC. NUM. COUNT:   1
PATENT INFORMATION:

     PATENT NO.          KIND    DATE          APPLICATION NO.         DATE
     ---------------     ----    --------      --------------------    --------
     WO 9302078           A1     19930204      WO 1992-GB1366          19920723
         W:  CA, JP, US
         RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LU, MC, NL, SE
     CA 2112561           A1     19930204      CA 1992-2112561         19920723
     EP 595980            A1     19940511      EP 1992-916391          19920723
         R:  AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE
     JP 06509337          T      19941020      JP 1992-502709          19920723
PRIORITY APPLN. INFO.:                         GB 1991-16113        A  19910725

                                               WO 1992-GB1366       W  19920723

OTHER SOURCE(S):          MARPAT 118:234096
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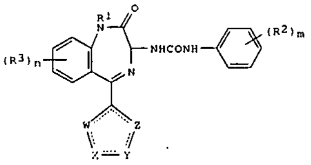

I

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AB   The title compound I [one of W, X, Y, or Z is N and another is N, O, S,
NR8
     (R8 = C1-6 alkyl) and the other two each independently are N or CR8; the
     dotted circle represents 2 double bonds; R1 = C1-6 alkyl, C3-7
cycloalkyl,
     cyclopropylmethyl, (CH2)q imidazolyl, -tetrazolyl, or triazolyl (q = 1,
2,
     3), CH2CO2R5 (R5 = C1-4 alkyl), CH2CONR6R7 (R6, R7 = H, C1-4 alkyl; R6R7
=
     (CH2)p where p = 4, 5); R2 = C1-6 alkyl, halo, optionally substituted
     (CH2)rtetrazolyl (r = 0, 1, 2), (CH2)rimidazolyl (same r), CONR6R7,
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L3   ANSWER 115 OF 162  CAPLUS  COPYRIGHT 2007 ACS on STN     (Continued)
     SO(alkyl), SO2(alkyl), CONHSO2R9, SO2NHCOR9 (R9 = C1-6 alkyl, aryl, CF3)
     SONHR10 (R10 = N-contg. heterocycle); R3 = H, C1-6 alkyl, halo; m = 0, 1,
     2; n = 0, 1, 2, 3] were prepd. as antagonists of cholecystokinin.  Thus,
     188 mg 5-(3-aminophenyl)tetrazole hydrochloride, prepd. by reaction of
     3-cyanonitrobenzene with NaN3/1-methyl-2-pyrrolidinone/Et3N.HCl followed
     by hydrogenation, was treated with 93 mg triphosgene in THF/Et3N, then
     with 1,3-dihydro-3(R,S)-amino-5-(thiazol-2-yl)-2H-1,4-benzodiazepin-2-one
     (254 mg) to give 12 mg N-[3(R,S)-2,3-dihydro-1-(2-methylpropyl)-2-oxo-5-

(thiazol-2-yl)-1H-1,4-benzodiazepin-3-yl]-N'-[3-(tetrazol-5-yl)phenyl]urea
     (II).  II inhibited 125I-cholecystokinin-8 receptor binding in both
     pancreas and brain [IC50 (nM) = 1300, 6.9, resp.].
IT   39254-87-0
     RL: RCT (Reactant); RACT (Reactant or reagent)
        (amidation by, of glycine derivative)
RN   39254-87-0  CAPLUS
CN   Methanone, (2-aminophenyl)-2-thiazolyl- (9CI)  (CA INDEX NAME)
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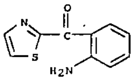

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L3   ANSWER 116 OF 162  CAPLUS  COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER:         1993:124543  CAPLUS
DOCUMENT NUMBER:          118:124543
TITLE:                    Preparation of
4,4-difluoro-1-(1H-1,2,4-triazol-1-yl)-
                          2,4-pentanediol derivatives as antibacterial
                          agents/fungicides
INVENTOR(S):              Imaizumi, Hiroyuki; Kajita, Tetsuya; Takashima,
                          Kenichi; Yotsutsuji, Minako; Moriyama, Keiko;
                          Yotsutsuji, Akira; Fukuoka, Yoshikazu; Sakai,
Hiroshi;
                          Narita, Hirokazu
PATENT ASSIGNEE(S):       Toyama Chemical Co., Ltd., Japan
SOURCE:                   Jpn. Kokai Tokkyo Koho, 18 pp.
                          CODEN: JKXXAF
DOCUMENT TYPE:            Patent
LANGUAGE:                 Japanese
FAMILY ACC. NUM. COUNT:   1
PATENT INFORMATION:

     PATENT NO.          KIND    DATE          APPLICATION NO.         DATE
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     JP 04208268          A      19920729      JP 1990-333588          19901130
     JP 2887522           B2     19990426
PRIORITY APPLN. INFO.:                         JP 1990-333588          19901130

OTHER SOURCE(S):          MARPAT 118:124543
GI
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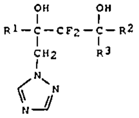

I

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AB   The title compds. [I; R1 = (un)substituted aryl, heterocyclyl bonded
     through the ring C atom; R2, R3 = H, (un)substituted alkyl, cycloalkyl,
     alkenyl, aryl, heterocyclyl bonded through the ring C atom; or CR2R3 =
     cycloalkyl] are prepared  Thus, 11.0 g K2CO3 and 5.5 g 1,2,4-triazole
were
     added to a solution of
1-chloro-2-(2,4-difluorophenyl)-3,3-difluoro-4-methyl-
     2,4-pentanediol in DMF and the mixture was heated at 80-90° for 5 h
     to give after workup and silica gel chromatog. 67% I (R1 = R2 =
     2,4-F2C6H3, R3 = Me).  I (R1 = 2,4-F2C6H3, R2 = R3 = cyclopropyl) in
vitro
     showed minimal inhibitory concentration of ≤0.05 and 1.56 µg/mL against
     Candida albicans and Aspergillus fumigatus.
IT   145833-62-1P
     RL: SPN (Synthetic preparation); PREP (Preparation)
        (preparation of, as intermediate of antibacterial
        triazolyldifluoropentanediol derivative)
RN   145833-62-1  CAPLUS
CN   1-Butanone, 4-chloro-3-(2,4-difluorophenyl)-2,2-difluoro-3-hydroxy-1-(2-
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L3   ANSWER 116 OF 162  CAPLUS  COPYRIGHT 2007 ACS on STN     (Continued)
     thiazolyl)- (9CI)  (CA INDEX NAME)
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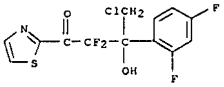

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L3   ANSWER 117 OF 162  CAPLUS  COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER:         1992:591834  CAPLUS
DOCUMENT NUMBER:          117:191834
TITLE:                    Preparation and formulation of thiazole derivatives
as
                          5-HT antagonists
INVENTOR(S):              Ohta, Mitsuaki; Yanagisawa, Isao; Miyata, Keiji
PATENT ASSIGNEE(S):       Yamanouchi Pharmaceutical Co., Ltd., Japan
SOURCE:                   PCT Int. Appl., 27 pp.
                          CODEN: PIXXD2
DOCUMENT TYPE:            Patent
LANGUAGE:                 Japanese
FAMILY ACC. NUM. COUNT:   1
PATENT INFORMATION:

     PATENT NO.          KIND    DATE          APPLICATION NO.          DATE
     ---------------     ----    --------      --------------------     --------
     WO 9207849           A1     19920514      WO 1991-JP1428           19911018
         W:  AT, AU, BB, BG, BR, CA, CH, CS, DE, DK, ES, FI, GB, HU, JP, KR,
             LK, LU, MC, MG, MW, NL, NO, PL, RO, SD, SE, SU, US
         RW: AT, BE, BF, BJ, CF, CG, CH, CI, CM, DE, DK, ES, FR, GA, GB, GN,
             GR, IT, LU, ML, MR, NL, SE, SN, TD, TG
     CA 2094722           A1     19920425      CA 1991-2094722          19911018
     AU 9187165           A      19920526      AU 1991-87165            19911018
     EP 555480            A1     19930818      EP 1991-917803           19911018
         R:  AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE
     US 5424431           A      19950613      US 1993-50123            19930423
     US 5656637           A      19970812      US 1994-334378           19941103
PRIORITY APPLN. INFO.:                         JP 1990-286902       A   19901024

                                               WO 1991-JP1428       A   19911018

                                               US 1993-50123        A1  19930423

OTHER SOURCE(S):          CASREACT 117:191834; MARPAT 117:191834
GI
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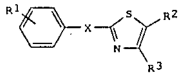

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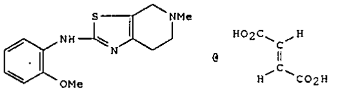

II

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AB   Thiazole derivative [I; R1 = H, alkoxy; R2 = H, R3 = heterocyclyl,
     heterocyclylalkyl, R2R3 = (CH2)mNR4(CH2)n wherein R4 = alkyl, m, n = 1,2;
```

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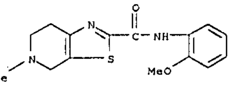
L3   ANSWER 117 OF 162  CAPLUS  COPYRIGHT 2007 ACS on STN      (Continued)
     X = NH, NHCONH, CONH, NHCO] are prepd.  Refluxing a mixt. of 2.46 g of
     o-anisidine and 3.75 g PhCONCS in Me2CO gave 2.08 g o-MeOC6H4NHCSNH2,
     which (0.37 g) was heated with 0.6 g 3-bromo-1-methylpiperidin-4-one-HBr
     in EtOH at 80° and then treated with fumaric acid to give 0.25 g
     thiazole salt II.  II showed ED50 of 3.01 µg/kg i.v. in rats in the
     Bezold-Jarisch reflex test, vs. 15.6 µg/kg with 5-HT and 37.4 µg/kg
     with 2-methylserotonin.  Pharmaceutical formulations comprising I are
     given.
IT   143150-98-5P
     RL: SPN (Synthetic preparation); PREP (Preparation)
        (preparation of, as 5-HT antagonist)
RN   143150-98-5  CAPLUS
CN   Thiazolo[5,4-c]pyridine-2-carboxamide, 4,5,6,7-tetrahydro-N-(2-
     methoxyphenyl)-5-methyl-, (2E)-2-butenedioate (1:1) (9CI)  (CA INDEX
NAME)

     CM   1

     CRN  143150-97-4
     CMF  C15 H17 N3 O2 S
```



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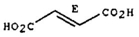
     CM   2

     CRN  110-17-8
     CMF  C4 H4 O4

Double bond geometry as shown.
```



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L3   ANSWER 118 OF 162  CAPLUS  COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER:         1992:184500  CAPLUS
DOCUMENT NUMBER:          116:184500
TITLE:                    Silver halide color photographic material
INVENTOR(S):              Ichijima, Yasushi; Saito, Naoki; Obayashi, Keiji;
                          Ishii, Yoshio; Ogawa, Akira
PATENT ASSIGNEE(S):       Fuji Photo Film Co., Ltd., Japan
SOURCE:                   Jpn. Kokai Tokkyo Koho, 47 pp.
                          CODEN: JKXXAF
DOCUMENT TYPE:            Patent
LANGUAGE:                 Japanese
FAMILY ACC. NUM. COUNT:   1
PATENT INFORMATION:

     PATENT NO.          KIND    DATE          APPLICATION NO.          DATE
     ---------------     ----    --------      --------------------     --------
     JP 03200961          A      19910902      JP 1990-187798           19900716
     US 5066576           A      19911119      US 1990-584116           19900918
PRIORITY APPLN. INFO.:                         JP 1989-258512       A1  19891003

                                               JP 1990-187798       A   19900716

GI
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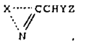

, I

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AB   The title material (comprising a support coated with one or more
     photosensitive Ag halide emulsion layers) contains a coupler represented
     by structure I (X = nonmetallic atoms which, together with C:N moiety,
     form a heterocyclic ring; Y = a group to be released upon coupling; the
     said released group has no photog. effect; Z = an electron-attracting
     group whose Hammett substituent constant is ≥0.2).  The title
     material gives excellent images.
IT   140214-66-0 140214-73-9
     RL: TEM (Technical or engineered material use); USES (Uses)
        (photog. coupler)
RN   140214-66-0  CAPLUS
CN   2-Benzothiazoleacetamide,
N-[2-chloro-5-[(hexadecylsulfonyl)amino]phenyl]-
     α-[4-ethoxy-2,5-dioxo-3-(phenylmethyl)-1-imidazolidinyl]- (9CI)  (CA
     INDEX NAME)
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L3   ANSWER 118 OF 162  CAPLUS  COPYRIGHT 2007 ACS on STN      (Continued)
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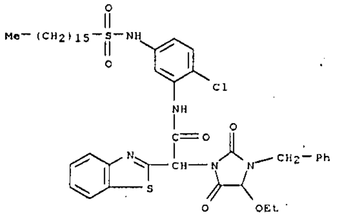

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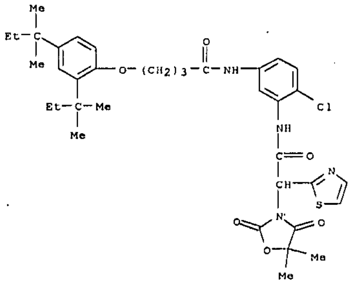
RN   140214-73-9  CAPLUS
CN   3-Oxazolidineacetamide, N-[5-[[4-[2,4-bis(1,1-dimethylpropyl)phenoxy]-1-
     oxobutyl]amino]-2-chlorophenyl]-5,5-dimethyl-2,4-dioxo-α-2-thiazolyl-
      (9CI)  (CA INDEX NAME)
```



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L3   ANSWER 119 OF 162  CAPLUS  COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER:         1992:20893  CAPLUS
DOCUMENT NUMBER:          116:20893
TITLE:                    Formic acetic anhydride in the synthesis of
chromones.
                          1.  Synthesis of 3-heteroarylchromones
AUTHOR(S):                Pivovarenko, V. G.; Khilya, V. P.
CORPORATE SOURCE:         Kiev. Gos. Univ., Kiev, 252017, USSR
SOURCE:                   Khimiya Geterotsiklicheskikh Soedinenii (1991), (5),
                          625-31
                          CODEN: KGSSAQ; ISSN: 0453-8234
DOCUMENT TYPE:            Journal
LANGUAGE:                 Russian
OTHER SOURCE(S):          CASREACT 116:20893
GI
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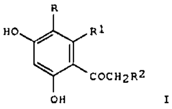

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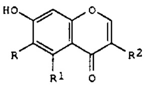

II

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AB   The reaction of hetarylacetophenones I (R = H, Me, Pr, 1-hexyl; R1 = H,
     OH, CO2H; R2 = azolyl, substituted Ph) with HCO2COMe gives, under HCO2Na
     catalysis, chromones II.  The yield of II and the reaction rate increase
     with increasing π-deficiency of the hetaryl substituent or with the
     presence of an OH group in the C6 position of the starting acetophenone.
     II (R2 = azolyl) are formed even in the absence of catalyst.
IT   137811-96-2
     RL: RCT (Reactant); RACT (Reactant or reagent)
        (cyclocondensation of, with formic acetic anhydride)
RN   137811-96-2  CAPLUS
CN   Ethanone, 1-(2,4-dihydroxy-5-propylphenyl)-2-(4-methyl-2-thiazolyl)-
(9CI)
       (CA INDEX NAME)
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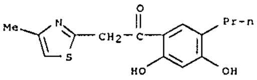

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L3   ANSWER 120 OF 162  CAPLUS  COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER:         1991:656193  CAPLUS
DOCUMENT NUMBER:          115:256193
TITLE:                    Preparation of fused pyridazine derivatives as
                          thromboxane A2 (TXA2) synthetase inhibitors
INVENTOR(S):              Ohi, Nobuhiro; Kuroki, Toshio; Yamaguchi, Masahisa;
                          Akima, Michitaka; Koga, Takaki; Kamei, Kenshi
PATENT ASSIGNEE(S):       Chugai Pharmaceutical Co., Ltd., Japan
SOURCE:                   PCT Int. Appl., 99 pp.
                          CODEN: PIXXD2
DOCUMENT TYPE:            Patent
LANGUAGE:                 Japanese
FAMILY ACC. NUM. COUNT:   1
PATENT INFORMATION:

     PATENT NO.          KIND   DATE          APPLICATION NO.        DATE
     ---------------     ----   --------      --------------------   --------
     WO 9112251           A1    19910822      WO 1991-JP210          19910219
         W:  AT, AU, BB, BG, BR, CA, CH, DE, DK, ES, FI, GB, HU, JP, KR, LK,
             LU, MC, MG, MW, NL, NO, PL, RO, SD, SE, SU, US
         RW: AT, BE, BF, BJ, CF, CG, CH, CM, DE, DK, ES, FR, GA, GB, GR, IT,
             LU, ML, MR, NL, SE, SN, TD, TG
     AU 9172381           A     19910903      AU 1991-72381          19910219
     ZA 9101224           A     19911127      ZA 1991-1224           19910219
     JP 3120857           B2    20001225      JP 1991-504019         19910219
PRIORITY APPLN. INFO.:                        JP 1990-37966       A  19900219

                                              JP 1990-250934      A  19900920

                                              JP 1990-304547      A  19901109

                                              JP 1990-409169      A  19901228

                                              WO 1991-JP210       A  19910219

OTHER SOURCE(S):          MARPAT 115:256193
GI   For diagram(s), see printed CA Issue.
AB   Title compds. [I; ring A = Q, or unsatd. 5- or 6-membered O-, N- or
     S-containing heterocycle, e.g. Q1, Q2; R1 = H, halo CO2H,
alkoxycarbonyl, NO2,
     alkoxy; R2 = alkyl; cyclohexyl, (halo)benzyl, thienylmethyl, (halo or
     alkyl) unsatd. 5- or 6-membered heterocyclyl containing 1-3 N atoms
and/or 1 S
     atom, (un)substituted Ph; R3 = (un)substituted alkyl, alkenyl, alkynyl,
     aralkyl, cycloalkyl, cycloalkylmethyl, acyl, acylmethyl, PhSO2], useful
as
     antiasthmatics and bronchodilators, are prepared  Thus, a suspension of
     4-phenyl-1-(2H)-phthalazinone 2.0, BrCH2CH2Br 5.5, K2CO3 7.5 g, and 60 mL
     DMF was stirred 2 h at 65° and thereto 4.3 g imidazole was added
     and the stirring was continued 5 h at 70° to give 0.5g a
     phthalazinone [II; R2 = Ph, R3 = 2-(1-imidazolyl)ethyl].  II (R2 =
     3-pyridyl, R3 = 2-cyclohexylmethyl) in vitro inhibited 99% TXA2 in a test
     using rabbit blood platelets and porcine aorta microsomes and showed
     muscle relaxant activity in guinea pig trachea with -log[EC50] of 6.68.
A
     total of 118 I were prepared and similarly tested.
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L3   ANSWER 120 OF 162  CAPLUS  COPYRIGHT 2007 ACS on STN      (Continued)
IT   137382-37-7P
     RL: SPN (Synthetic preparation); PREP (Preparation)
        (preparation of, as intermediate for thromboxane A2 synthetase
inhibitor
        fused pyridazinone derivative)
RN   137382-37-7  CAPLUS
CN   Benzoic acid, 2-(2-thiazolylcarbonyl)-  (9CI)  (CA INDEX NAME)
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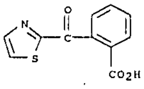

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L3   ANSWER 121 OF 162  CAPLUS  COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER:         1991:582897  CAPLUS
DOCUMENT NUMBER:          115:182897
TITLE:                    Benzothiazole analogs of isoflavones
AUTHOR(S):                Gorbulenko, N. V.; Shimko, N. N.; Khilya, V. P.
CORPORATE SOURCE:         Kiev. Gos. Univ., Kiev, USSR
SOURCE:                   Doklady Akademii Nauk Ukrainskoi SSR (1991), (5),
                          117-23
                          CODEN: DANSEM; ISSN: 0868-8044
DOCUMENT TYPE:            Journal
LANGUAGE:                 Russian
OTHER SOURCE(S):          CASREACT 115:182897
GI
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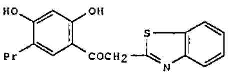

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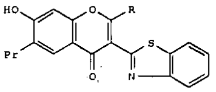

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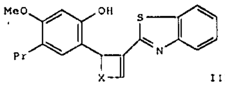

III

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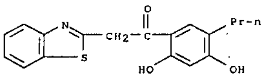
AB   Condensation of 2-cyanomethylbenzothiazole with 4-propylresorcinol gave
     benzothiazolyldihydroxypropylacetophenone I.  The cyclization of I with
     acid anhydrides and acyl chlorides gave
benzothiazolylpropylhydroxychromon
     es, e.g., II (R = CF3, CO2Et, Me).  The interaction of II with alkyl,
acyl
     and nucleophilic reagents, e.g., the recyclization with NH2NH2 and
     aminoguanidine to give pyrazole III (X = NNH) and pyridazine III =
     NC(NH2):N is studied.
IT   136506-90-6P
     RL: SPN (Synthetic preparation); PREP (Preparation)
        (preparation, tautomerism and cyclization of, with anhydrides and acyl
        chlorides)
RN   136506-90-6  CAPLUS
CN   Ethanone, 2-(2-benzothiazolyl)-1-(2,4-dihydroxy-5-propylphenyl)- (9CI)
     (CA INDEX NAME)
```



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L3   ANSWER 122 OF 162  CAPLUS  COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER:         1991:449485  CAPLUS
DOCUMENT NUMBER:          115:49485
TITLE:                    (Methoxyalkyl)thiazoles:  a new series of potent,
                          selective, and orally active 5-lipoxygenase
inhibitors
                          displaying high enantioselectivity
AUTHOR(S):                Bird, T. Geoffrey C.; Bruneau, Pierre; Crawley,
Graham
                          C.; Edwards, Martin P.; Foster, Stephen J.; Girodeau,
                          Jean Marc; Kingston, John F.; McMillan, Rodger M.
CORPORATE SOURCE:         Chem. Dep., ICI Pharm., Macclesfield/Cheshire, SK10
                          4TG, UK
SOURCE:                   Journal of Medicinal Chemistry (1991), 34(7), 2176-86
                          CODEN: JMCMAR; ISSN: 0022-2623
DOCUMENT TYPE:            Journal
LANGUAGE:                 English
GI
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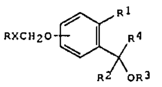

I

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AB   [(Methoxyalkyl)phenyl]thiazoles I (R = 1-, 2-naphthyl, Ph, 2-tolyl, R1 =
     H, Me; R1R2 = CH2CH2; R2 = H, Me, Et, Pr, R3 = Me, H, R4 = 2-, 4-,
     5-thiazolyl, 4-methyl-2-thiazolyl, 5-methyl-2-thiazolyl, X = CH2,
     C.tplbond.C, CH2CH2, C:C, etc.) with o-, m-, p- and m'-Ph attachment of
     the methoxyalkyl group were prepared and tested as 5-lipoxygenase
     inhibitors.  Thus, alkylation of 1-(3-hydroxyphenyl)-1-(thiazol-2-
     yl)propyl Me ether with 2-(bromomethyl)naphthalene gave I (R =
2-naphthyl,
     R1 = H, R2 = Et, R3 = Me, R4 = 2-thiazolyl, X = CH2) with m-Ph attachment
     (II).  I are novel 5-lipoxygenase (LPO) inhibitors that are neither redox
     agents nor iron chelators.  II inhibits cell-free guinea pig LPO
activity,
     LTC4 (a peptidoleukotriene) synthesis in plasma-free mouse macrophages,
     and LTB4 synthesis in rat and human blood (IC50s 0.1 μM, 8 nM, 0.5
     μM, and 0.1 μM, resp.) but does not inhibit the synthesis of
     cyclooxygenase products at concns. up to 50 μM in macrophages and 100
     μM in blood.  Structural activity relationship studies show that high
     in vitro potency requires methoxy, thiazolyl, and naphthyl groups and
     depends critically on the substitution pattern.
IT   129425-50-9P 134154-60-2P
     RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT
     (Reactant or reagent)
        (preparation and Grignard reaction of, with ethylmagnesium bromide)
RN   129425-50-9  CAPLUS
CN   Methanone, [2-methyl-3-(2-naphthalenylmethoxy)phenyl]-2-thiazolyl- (9CI)
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L3   ANSWER 122 OF 162  CAPLUS  COPYRIGHT 2007 ACS on STN      (Continued)
     (CA INDEX NAME)
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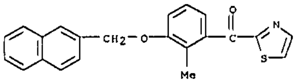

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RN   134154-60-2  CAPLUS
CN   Methanone, [2-methyl-5-(2-naphthalenylmethoxy)phenyl]-2-thiazolyl- (9CI)
     (CA INDEX NAME)
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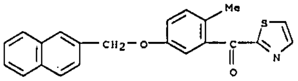

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L3   ANSWER 123 OF 162  CAPLUS  COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER:         1991:122356  CAPLUS
DOCUMENT NUMBER:          114:122356
TITLE:                    Preparation of thiazoles as inflammation inhibitors
INVENTOR(S):              Goto, Tomokazu; Okano, Tadashi; Sugiyama, Naoki;
                          Akaboshi, Fumihiko; Ono, Shinichiro; Naito, Yoichiro;
                          Yamaura, Yasunari; Fukaya, Chikara; Yokoyama,
Kazumasa
PATENT ASSIGNEE(S):       Green Cross Corp., Japan
SOURCE:                   PCT Int. Appl., 41 pp.
                          CODEN: PIXXD2
DOCUMENT TYPE:            Patent
LANGUAGE:                 Japanese
FAMILY ACC. NUM. COUNT:   1
PATENT INFORMATION:

     PATENT NO.          KIND   DATE       APPLICATION NO.        DATE
     ---------------     ----   --------   --------------------   --------
     WO 9011278           A1    19901004   WO 1990-JP385          19900322
         W:  CA, KR, US
         RW: AT, BE, CH, DE, DK, ES, FR, GB, IT, LU, NL, SE
     JP 03157376          A     19910705   JP 1990-73694          19900323
PRIORITY APPLN. INFO.:                     JP 1989-72244       A  19890324

                                           JP 1989-205458      A  19890808

OTHER SOURCE(S):          MARPAT 114:122356
GI
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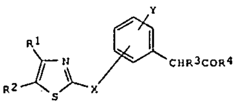

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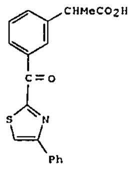

II

```
AB   The title compds. I [R1, R2 = H, halo, alkyl, alkenyl, NO2, etc.; or R1R2
     = (CH2)m; m = 3-5; R3 = H, alkyl; R4 = OH, alkoxy, NR7R8; R7, R8 = H,
     alkyl; X = CO, (CH2)n; n = 0 or 1; Y = H, halo, alkyl, NO2, etc.] were
     prepared  I are useful as inflammation inhibitors, analgesics, and
     antipyretics (no data).  Oxidation of α-(4-phenylthiazol-2-yl)-3-(1-
     carboxyethyl)benzyl alc. with Jones reagent gave thiazole II.
IT   132483-40-0P 132483-41-1P
     RL: SPN (Synthetic preparation); PREP (Preparation)
        (preparation of, as antiinflammatory agent)
RN   132483-40-0  CAPLUS
CN   Benzeneacetic acid, 4-chloro-α-methyl-3-(2-thiazolylcarbonyl)- (9CI)
       (CA INDEX NAME)
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L3   ANSWER 123 OF 162  CAPLUS  COPYRIGHT 2007 ACS on STN      (Continued)
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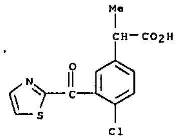

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RN   132483-41-1  CAPLUS
CN   Benzeneacetic acid, 2-chloro-α-methyl-3-(2-thiazolylcarbonyl)- (9CI)
       (CA INDEX NAME)
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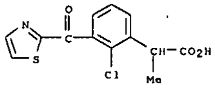
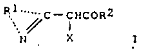


L3 ANSWER 124 OF 162 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1990:581279 CAPLUS
DOCUMENT NUMBER: 113:181279
TITLE: Silver halide color photographic material containing development inhibitor-releasing coupler and hydrophobic two-equivalent yellow coupler
INVENTOR(S): Ichijima, Yasushi; Shimada, Yasuhiro
PATENT ASSIGNEE(S): Fuji Photo Film Co., Ltd., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 35 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

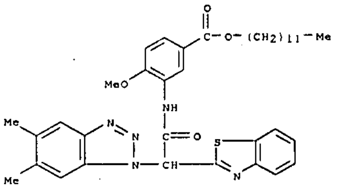
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 02044337	A	19900214	JP 1988-194640	19880805
PRIORITY APPLN. INFO.:			JP 1988-194640	19880805

GI


I

AB The title color photog. material contains ≥1 DIR coupler (I) [R1 = group necessary to form a heterocyclic ring with N:C moiety; R2 = organic moiety; X = group forming development inhibitor], and ≥1 hydrophobic 2-equivalent yellow coupler, R3COC(Y)HCONHR4 [R3 = aromatic, 3° alkyl; R4 = aromatic; Y = aromatic oxy, or N-containing unsatd. 5-membered ring, 5-membered cyclic amide; R3, R4, or Y becomes divalent to form a polymer coupler]. The color photog. material shows improved sharpness.
IT 130110-25-7
RL: USES (Uses)
(development inhibitor-releasing coupler from)
RN 130110-25-7 CAPLUS
CN Benzoic acid, 3-[[(2-benzothiazolyl(5,6-dimethyl-1H-benzotriazol-1-yl)acetyl]amino]-4-methoxy-, dodecyl ester (9CI) (CA INDEX NAME)

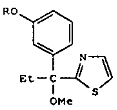
L3 ANSWER 124 OF 162 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



L3 ANSWER 125 OF 162 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1990:532168 CAPLUS
DOCUMENT NUMBER: 113:132168
TITLE: Preparation of lipoxygenase-inhibiting aryl-substituted thiazole compounds and their pharmaceutical compositions
INVENTOR(S): Bird, Thomas Geoffrey Colerick; Edwards, Philip Neil; Crawley, Graham Charles; Girodeau, Jean Marc Marie Maurie; Edwards, Martin Paul; Kingston, John Francis
PATENT ASSIGNEE(S): Imperial Chemical Industries PLC, UK; ICI Pharma S. A.
SOURCE: Eur. Pat. Appl., 75 pp.
CODEN: EPXXDW
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

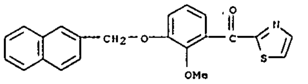
PATENT NO.	KIND	DATE	APPLICATION NO.		DATE
EP 351194	A2	19900117	EP 1989-307041		19890711
EP 351194	A3	19900627			
EP 351194	B1	19940615			
R: AT, BE, CH, DE, ES, FR, GB, GR, IT, LI, LU, NL, SE					
ZA 8904913	A	19900328	ZA 1989-4913		19890628
NO 8902823	A	19900115	NO 1989-2823		19890707
AU 8938014	A	19900118	AU 1989-38014		19890711
AU 618610	B2	19920102			
US 5089513	A	19920218	US 1989-378163		19890711
ES 2055791	T3	19940901	ES 1989-307041		19890711
DK 8903460	A	19900113	DK 1989-3460		19890712
FI 8903381	A	19900113	FI 1989-3381		19890712
JP 02076864	A	19900316	JP 1989-178206		19890712
US 5196422	A	19930323	US 1991-791375		19911114
PRIORITY APPLN. INFO.:			EP 1988-401816	A	19880712
			US 1989-378163	A3	19890711

OTHER SOURCE(S): MARPAT 113:132168
GI

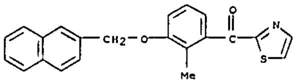

I

AB Aryl-substituted thiazole compds., effective 5-lipoxygenase inhibitors useful in treating inflammatory and allergic diseases, are prepared and formulated. A mixture of hydroxyphenyl derivative I (R = H), 2-(bromomethyl)naphthalene, and K2CO3in DMF was stirred at room temperature to give 75% naphthyl derivative I (R = 2-naphthylmethyl). Over 100 I and

L3 ANSWER 125 OF 162 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)
intermediates were also prepd. The preferred dose is 0.5-75 mg/kg-day for therapeutic and prophylactic purposes. Tablet, capsule, injection, and aerosol formulations are given.
IT 129425-49-6P 129425-50-9P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation and reaction of, in preparation of lipoxygenase-inhibiting thiazole derivs.)
RN 129425-49-6 CAPLUS
CN Methanone, [2-methoxy-3-(2-naphthalenylmethoxy)phenyl]-2-thiazolyl- (9CI) (CA INDEX NAME)



RN 129425-50-9 CAPLUS
CN Methanone, [2-methyl-3-(2-naphthalenylmethoxy)phenyl]-2-thiazolyl- (9CI) (CA INDEX NAME)



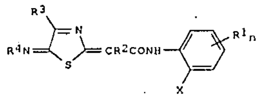
L3 ANSWER 126 OF 162 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER:	1990:499405 CAPLUS
DOCUMENT NUMBER:	113:99405
TITLE:	Thiazolylideneacetanilide photographic color couplers
INVENTOR(S):	Shimada, Yasuhiro
PATENT ASSIGNEE(S):	Fuji Photo Film Co., Ltd., Japan
SOURCE:	Jpn. Kokai Tokkyo Koho, 12 pp. CODEN: JKXXAF
DOCUMENT TYPE:	Patent
LANGUAGE:	Japanese
FAMILY ACC. NUM. COUNT:	1
PATENT INFORMATION:	

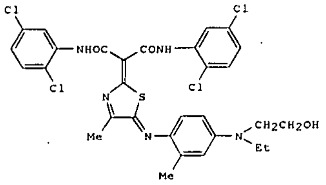
PATENT NO.	KIND	DATE	APPLICATION NO.		DATE
JP 02113070	A	19900425	JP 1988-264764		19881020
US 5084571	A	19920128	US 1989-423221		19891018
PRIORITY APPLN. INFO.:			JP 1988-264764	A	19881020

OTHER SOURCE(S): MARPAT 113:99405

GI



I



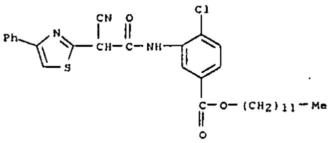
II

AB The title dyes I (R1 = H, substituent; R2 = electron-withdrawing group; R3 = substituent; R4 = unsatd. hetero atom-containing cyclic group linked with N at C in an aromatic or unsatd. group; X = substituent forming H bonds with CONH; n = 1-4), useful in Ag halide color photog., are prepared Thus, 2,4-dimethylthiazole and 1-isocyanato-2,5-dichlorobenzene were treated at -78°, and the intermediate mixed with 4-[hydroxyethyl(ethyl)]-3-

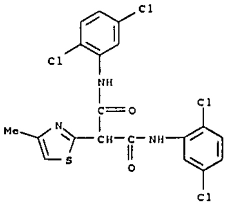
methylanilinium hydrogensulfate to give II (no data).

IT 128452-71-1P 128452-84-6P 129119-53-5P 129119-54-6P 129119-55-7P 129119-56-8P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation and reaction of, in photog. color coupler manufacture)

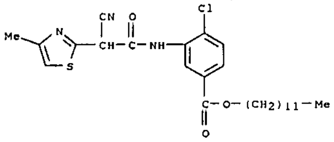
RN 128452-71-1 CAPLUS
CN Benzoic acid, 4-chloro-3-[[cyano(4-phenyl-2-thiazolyl)acetyl]amino]-, dodecyl ester (9CI) (CA INDEX NAME)



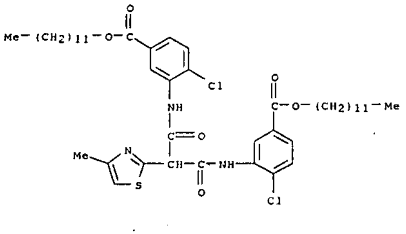
RN 128452-84-6 CAPLUS
CN Propanediamide, N,N'-bis(2,5-dichlorophenyl)-2-(4-methyl-2-thiazolyl)- (9CI) (CA INDEX NAME)



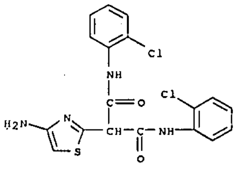
RN 129119-53-5 CAPLUS
CN Benzoic acid, 4-chloro-3-[[cyano(4-methyl-2-thiazolyl)acetyl]amino]-, dodecyl ester (9CI) (CA INDEX NAME)



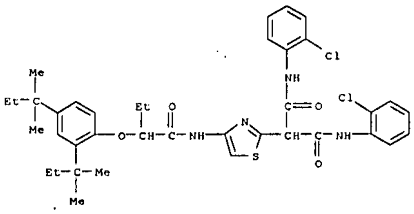
RN 129119-54-6 CAPLUS
CN Benzoic acid, 3,3'-[[2-(4-methyl-2-thiazolyl)-1,3-dioxo-1,3-propanediyl]diimino]bis[4-chloro-, didodecyl ester (9CI) (CA INDEX NAME)



RN 129119-55-7 CAPLUS
CN Propanediamide, 2-(4-amino-2-thiazolyl)-N,N'-bis(2-chlorophenyl)- (9CI) (CA INDEX NAME)



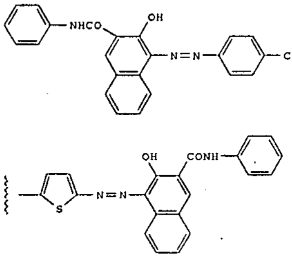
RN 129119-56-8 CAPLUS
CN Propanediamide, 2-[4-[[2-[2,4-bis(1,1-dimethylpropyl)phenoxy]-1-oxobutyl]amino]-2-thiazolyl]-N,N'-bis(2-chlorophenyl)- (9CI) (CA INDEX NAME)



L3 ANSWER 127 OF 162 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1990:468349 CAPLUS
DOCUMENT NUMBER: 113:68349
TITLE: Electrophotograpnic photoconductor having carbonyl-containing bisazo charge-generating agent
INVENTOR(S): Hattori, Yoshimasa; Kosho, Noboru
PATENT ASSIGNEE(S): Fuji Electric Co., Ltd., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 8 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 02012257	A	19900117	JP 1988-163019	19880630
PRIORITY APPLN. INFO.:			JP 1988-163019	19880630

OTHER SOURCE(S): MARPAT 113:68349
GI

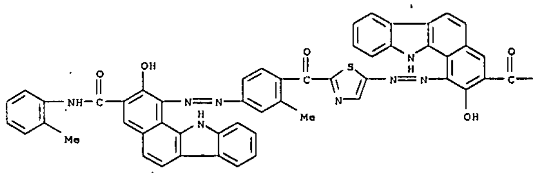


I

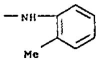
AB The title photoconductor has ≥1 compds. selected from CpN:NAr1COAr2N:NCp [Ar1-2 = (substituted) aromatic hydrocarbon or aromatic heterocycle except Ar1 = Ar2 = (substituted) phenylene; Cp= coupler residue]. Thus, an Al-deposited PET film was coated with a composition comprising a bisazo compound I, Vylon 200, 1-phenyl-3-(p-diethylaminostyryl)-5-(p-diethylaminophenyl)-2-pyrazoline, and THF to give the title highly sensitive photoconductor useful for repeating use.
IT 128315-30-0

L3 ANSWER 127 OF 162 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)
RL: TEM (Technical or engineered material use); USES (Uses)
(charge-generating agent, for electrophotog. photoconductor, for repeating use)
RN 128315-30-0 CAPLUS
CN 11H-Benzo[a]carbazole-3-carboxamide, 2-hydroxy-1-[[2-[4-[[2-hydroxy-3-[[(2-methylphenyl)amino]carbonyl]-11H-benzo[a]carbazol-1-yl]azo]-2-methylbenzoyl]-5-thiazolyl]azo]-N-(2-methylphenyl)- (9CI) (CA INDEX NAME)

PAGE 1-A



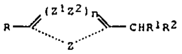
PAGE 1-B



L3 ANSWER 128 OF 162 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1990:468278 CAPLUS
DOCUMENT NUMBER: 113:68278
TITLE: Silver halide color photographic material
INVENTOR(S): Shimada, Yasuhiro; Ichijima, Seiji
PATENT ASSIGNEE(S): Fuji Photo Film Co., Ltd., Japan
SOURCE: Eur. Pat. Appl., 121 pp.
CODEN: EPXXDW
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.		DATE
EP 362808	A2	19900411	EP 1989-118372		19891004
EP 362808	A3	19910508			
EP 362808	B1	19950510			
R: DE, FR, GB, NL					
JP 02096746	A	19900409	JP 1988-250332		19881004
JP 07066168	B	19950719			
US 5104783	A	19920414	US 1991-652478		19910208
PRIORITY APPLN. INFO.:			JP 1988-250332	A	19881004
			US 1989-413703	B1	19890928

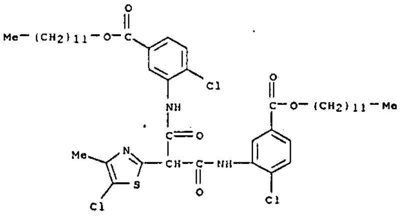
OTHER SOURCE(S): MARPAT 113:68278
GI



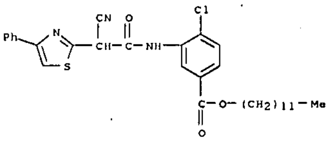
I

AB A Ag halide color photog. material which provides color images excellent in sharpness and storage stability comprises on a support ≥1 Ag halide emulsion layer containing a cyan photog. coupler represented by the general formula I (R = H or a group capable of being released upon a reaction with the oxidation product of a developing agent; R1, R2 = a substituent, ≥1 of R1 and R2 represents an electron-attracting substituent; Z1, Z2 = N or methine; n = 1 or 2; Z = a nonmetallic atomic group necessary to form a heterocyclic or aromatic ring with the rest of the couple mol.) and having a large mol. absorption coefficient The color photog. material costs less to manufacture because of a small amount of the cyan coupler to be employed.
IT 128452-69-7 128452-71-1 128452-74-4
128452-84-6
RL: TEM (Technical or engineered material use); USES (Uses)
(cyan photog. coupler, with good diffusion resistance and large mol. absorption coefficient)
RN 128452-69-7 CAPLUS
CN Benzoic acid, 3,3'-[[2-(5-chloro-4-methyl-2-thiazolyl)-1,3-dioxo-1,3-propanediyl]diimino]bis[4-chloro-, didodecyl ester (9CI) (CA INDEX NAME)

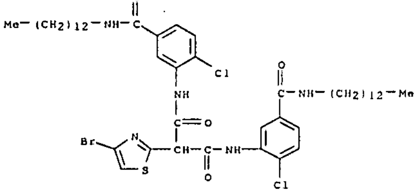
L3 ANSWER 128 OF 162 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



RN 128452-71-1 CAPLUS
CN Benzoic acid, 4-chloro-3-[[cyano(4-phenyl-2-thiazolyl)acetyl]amino]-, dodecyl ester (9CI) (CA INDEX NAME)



RN 128452-74-4 CAPLUS
CN Propanediamide, 2-(4-bromo-2-thiazolyl)-N,N'-bis[2-chloro-5-[(tridecylamino)carbonyl]phenyl]- (9CI) (CA INDEX NAME)



RN 128452-84-6 CAPLUS

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L3   ANSWER 128 OF 162  CAPLUS  COPYRIGHT 2007 ACS on STN      (Continued)
CN   Propanediamide, N,N'-bis(2,5-dichlorophenyl)-2-(4-methyl-2-thiazolyl)-
     (9CI)  (CA INDEX NAME)
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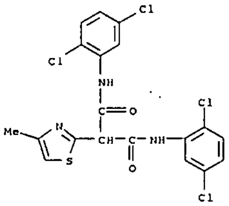

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L3   ANSWER 129 OF 162  CAPLUS  COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER:          1990:197867  CAPLUS
DOCUMENT NUMBER:           112:197867
TITLE:                     Anthranilic acid derivatives as antiallergics
INVENTOR(S):               Nishigaki, Sadao; Sakae, Masatoshi; Takamatsu,
Shuhei;
                           Katsurada, Masanori; Ueda, Soichi; Hachitsuka,
Makoto;
                           Morimoto, Kazuhiko; Kitano, Eisaku
PATENT ASSIGNEE(S):        Fujimoto Pharmaceutical Co., Ltd., Japan
SOURCE:                    Jpn. Kokai Tokkyo Koho, 7 pp.
                           CODEN: JKXXAF
DOCUMENT TYPE:             Patent
LANGUAGE:                  Japanese
FAMILY ACC. NUM. COUNT:    1
PATENT INFORMATION:

     PATENT NO.            KIND   DATE       APPLICATION NO.        DATE
     ---------------       ----   --------   --------------------   --------
     JP 01287066            A     19891117   JP 1988-116431         19880513
PRIORITY APPLN. INFO.:                       JP 1988-116431         19880513

OTHER SOURCE(S):           MARPAT 112:197867
GI   For diagram(s), see printed CA Issue.
AB   The title derivs. I (R = OH, lower alkoxy; X = halo; m = 1-3; n = 0-2; A
     is bicyclic condensed benzenoid ring) and their pharmacol. acceptable
     salts, useful as 5-lipoxygenase inhibitors, are prepared  Thus, 0.41 g
     6,7-dihydroxy-2-naphthoic acid and SOCl2 were refluxed to give quant.
acid
     chloride, which was stirred with 0.9 g anthranilic acid and Et3N in CHCl3
     at room temperature for 3 h to give 0.15 g N-(6,7-dihydroxy-2-
     naphthoyl)anthranilic acid (II).  II in vitro exhibited an IC50 of 39.0
     μM against 5-lipoxygenase, vs. 84.8 μm and >160 μM for caffeic
     acid and tranilast, resp.
IT   126674-89-3P, N-(6-Methoxybenzothiazole-2-carbonyl)anthranilic
     acid
     RL: SPN (Synthetic preparation); PREP (Preparation)
        (preparation of, as antiallergic)
RN   126674-89-3  CAPLUS
CN   Benzoic acid, 2-[[(6-methoxy-2-benzothiazolyl)carbonyl]amino]- (9CI)  (CA
     INDEX NAME)
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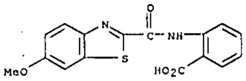

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L3   ANSWER 130 OF 162  CAPLUS  COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER:          1990:178508  CAPLUS
DOCUMENT NUMBER:           112:178508
TITLE:                     Synthetic studies on diuretics.  5-(3,3-N,S-
                           substituted-2-propenoyl)-2,3-dihydro-2-
                           benzo[b]furancarboxylic acids
AUTHOR(S):                 Ohsugi, Eiichi; Fujioka, Toshihiro; Harada, Hiroshi;
                           Nakamura, Masuhisa; Maeda, Ryozo
CORPORATE SOURCE:          Shionogi Res. Lab., Shionogi and Co., Ltd., Osaka,
                           553, Japan
SOURCE:                    Chemical & Pharmaceutical Bulletin (1989), 37(5),
                           1268-78
                           CODEN: CPBTAL; ISSN: 0009-2363
DOCUMENT TYPE:             Journal
LANGUAGE:                  English
OTHER SOURCE(S):           CASREACT 112:178508
GI
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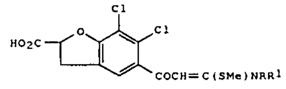
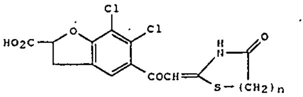


I



II

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AB   6,7-Dichloro-2,3-dihydro-2-benzo[b]furancarboxylic acid derivs. having a
     3,3-N,S-disubstituted-2-propenoyl group at the 5-position, e.g. I (R = H,
     R1 = alkyl, alkenyl, propargyl aryl; NRR1 = morpholino, NMe2) and II (n =
     1,2), were prepared by alkylation of 5-(thiocarbamoyl)acetyl derivs. of
the
     2,3-dihydro-2-benzo[b]furancarboxylic ester or by acetal exchange
reaction
     of 5-[3,3-bis(alkylthio)-2-propenoyl] derivs.  Synthesis of 5-[4- and
     5-substituted-4-thiazolin-2-ylidene)acetyl-2,3-dihydro-2-
     benzo[b]furancarboxylic acids was also achieved by the reaction of
     2-halo-1-methoxyethyl isothiocyanate with the 5-acetyl derivative in the
     presence of base or through sulfide contraction of 2-[[(6,7-dichloro-2-

methoxycarbonyl-2,3-dihydrobenzo[b]furan-5-yl)carbonyl]methylthio]thiazoli
     um bromide.  Some of the prepared compds. showed potent natriuretic
     activities in rats and mice.  Structure-activity relationships are also
     discussed.
IT   126201-21-6P
     RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT
     (Reactant or reagent)
        (preparation and deesterification of, with trifluoroacetic acid)
RN   126201-21-6  CAPLUS
CN   2-Benzofurancarboxylic acid, 6,7-dichloro-2,3-dihydro-5-(2-
     thiazolylacetyl)-, 1,1-dimethylethyl ester (9CI)  (CA INDEX NAME)
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L3   ANSWER 130 OF 162  CAPLUS  COPYRIGHT 2007 ACS on STN      (Continued)
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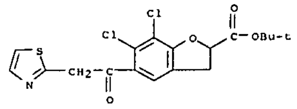

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IT   126201-14-7P 126201-19-2P 126201-20-5P
     RL: SPN (Synthetic preparation); PREP (Preparation)
        (preparation and natriuretic activity of)
RN   126201-14-7  CAPLUS
CN   2-Benzofurancarboxylic acid, 6,7-dichloro-2,3-dihydro-5-(2-
     thiazolylacetyl)- (9CI)  (CA INDEX NAME)
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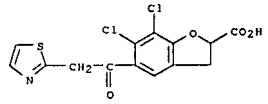

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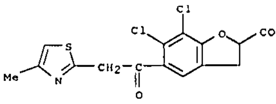
RN   126201-19-2  CAPLUS
CN   2-Benzofurancarboxylic acid, 6,7-dichloro-2,3-dihydro-5-[(4-methyl-2-
     thiazolyl)acetyl]- (9CI)  (CA INDEX NAME)
```



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RN   126201-20-5  CAPLUS
CN   2-Benzofurancarboxylic acid, 6,7-dichloro-2,3-dihydro-5-[(5-methyl-2-
     thiazolyl)acetyl]- (9CI)  (CA INDEX NAME)
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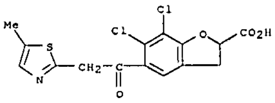
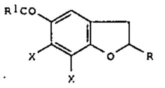


L3 ANSWER 131 OF 162 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1990:158041 CAPLUS
DOCUMENT NUMBER: 112:158041
TITLE: Benzofurans as diuretics
INVENTOR(S): Takamura, Norio; Oda, Kuniyuki; Kotado, Shinichi; Yamaguchi, Isao; Akimoto, Yoshiaki
PATENT ASSIGNEE(S): Tanabe Seiyaku Co., Ltd., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 11 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

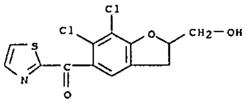
```
     PATENT NO.          KIND    DATE        APPLICATION NO.         DATE
     ---------------     ----    --------    --------------------    --------
     JP 01246277          A      19891002    JP 1988-72816           19880325
PRIORITY APPLN. INFO.:                       JP 1988-72816           19880325
```

OTHER SOURCE(S): MARPAT 112:158041
GI



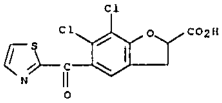
I

AB Title compds. I [R1 = (substituted) 5- or 6-membered N-containing heterocyclyl; X = halo; R = CH2OH, CO2H, alkoxycarbonyl), which have diuretic and uric acid excretion-enhancing activities (no data), are prepared I (R1 = 1-methoxymethyl-5-pyrazolyl; X = Cl; R = CH2OH) is prepared from 6,7-dichloro-2,3-dihydro-2-hydroxymethylbenzofuran with 5 steps.
IT 126008-22-8P 126008-39-7P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of, as diuretic)
RN 126008-22-8 CAPLUS
CN Methanone, [6,7-dichloro-2,3-dihydro-2-(hydroxymethyl)-5-benzofuranyl]-2-thiazolyl- (9CI) (CA INDEX NAME)



RN 126008-39-7 CAPLUS

L3 ANSWER 131 OF 162 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)
CN 2-Benzofurancarboxylic acid, 6,7-dichloro-2,3-dihydro-5-(2-thiazolylcarbonyl)- (9CI) (CA INDEX NAME)



L3 ANSWER 132 OF 162 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1990:118809 CAPLUS
DOCUMENT NUMBER: 112:118809
TITLE: Preparation and testing of 7-substituted 2-carbamoylbenzothiazole N-oxides as agrochemical fungicides
INVENTOR(S): Wagner, Klaus; Haenssler, Gerd
PATENT ASSIGNEE(S): Bayer A.-G., Fed. Rep. Ger.
SOURCE: Eur. Pat. Appl., 30 pp.
CODEN: EPXXDW
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

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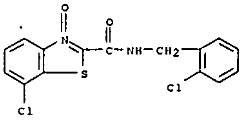
     PATENT NO.          KIND    DATE        APPLICATION NO.         DATE
     ---------------     ----    --------    --------------------    --------
     EP 334138            A1     19890927    EP 1989-104342          19890311
         R:  BE, CH, DE, FR, GB, IT, LI, NL
     DE 3835660           A1     19891012    DE 1988-3835660         19881020
     US 4959379           A      19900925    US 1989-326753          19890321
     JP 01305074          A      19891208    JP 1989-67730           19890322
     BR 8901384           A     .19891107    BR 1989-1384            19890327
PRIORITY APPLN. INFO.:                       DE 1988-3810076      A  19880325

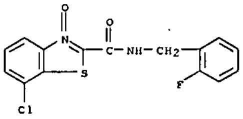
                                             DE 1988-3835660      A  19881020
```

OTHER SOURCE(S): CASREACT 112:118809; MARPAT 112:118809
GI For diagram(s), see printed CA Issue.
AB The title compds. [I; R1 = H, (substituted) alkyl; R2 = H, OH, H2NCONH, (substituted) alkyl, cycloalkyl, alkenyl, alkynyl, alkoxy, alkenyloxy, aralkoxy, aralkyl, aryl, heterocyclalkyl; R1R2 = (heteroatom-interrupted) alkylene; R3,R4 = halo, (halo)alkyl; n = 0-3], useful as agrochem. fungicides, were prepared Thus, Et3N was added dropwise to a mixture of 2,3-Cl2C6H3NO2, HSCH2CO2Me, and Me2SO with cooling. The mixture was stirred 12 h at 20° to give 73% 7-chloro-2-methoxycarbonylbenzothiazole N-oxide. The latter in MeOH was treated with PhCH2NH2 and the mixture was stirred 2 h at 20° to give 94% title compound II. Several I (including II) gave 80-90% control of Pyricularia oryzae on rice.
IT 125587-98-6P 125588-03-6P 125588-11-6P
125588-32-1P 125588-35-4P 125588-36-5P
125588-37-6P 125588-48-9P 125588-50-3P
RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of, as agrochem. fungicide)
RN 125587-98-6 CAPLUS
CN 2-Benzothiazolecarboxamide, 7-chloro-N-[(2-chlorophenyl)methyl]-, 3-oxide (9CI) (CA INDEX NAME)

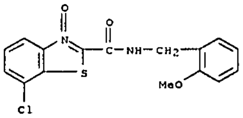
L3 ANSWER 132 OF 162 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



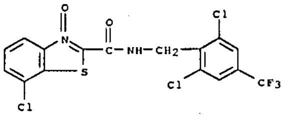
RN 125588-03-6 CAPLUS
CN 2-Benzothiazolecarboxamide, 7-chloro-N-[(2-fluorophenyl)methyl]-, 3-oxide (9CI) (CA INDEX NAME)



RN 125588-11-6 CAPLUS
CN 2-Benzothiazolecarboxamide, 7-chloro-N-[(2-methoxyphenyl)methyl]-, 3-oxide (9CI) (CA INDEX NAME)

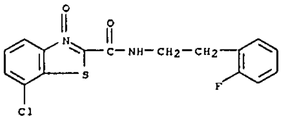


RN 125588-32-1 CAPLUS
CN 2-Benzothiazolecarboxamide, 7-chloro-N-[[2,6-dichloro-4-(trifluoromethyl)phenyl]methyl]-, 3-oxide (9CI) (CA INDEX NAME)

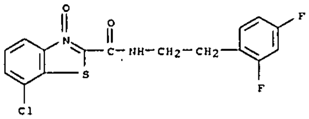


RN 125588-35-4 CAPLUS
CN 2-Benzothiazolecarboxamide, 7-chloro-N-[2-(2-fluorophenyl)ethyl]-, 3-oxide

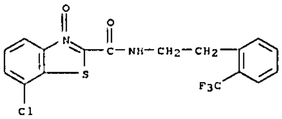
L3 ANSWER 132 OF 162 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)
(9CI) (CA INDEX NAME)



RN 125588-36-5 CAPLUS
CN 2-Benzothiazolecarboxamide, 7-chloro-N-[2-(2,4-difluorophenyl)ethyl]-, 3-oxide (9CI) (CA INDEX NAME)

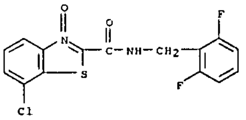


RN 125588-37-6 CAPLUS
CN 2-Benzothiazolecarboxamide, 7-chloro-N-[2-[2-(trifluoromethyl)phenyl]ethyl]-, 3-oxide (9CI) (CA INDEX NAME)

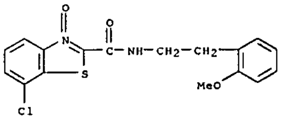


RN 125588-48-9 CAPLUS
CN 2-Benzothiazolecarboxamide, 7-chloro-N-[(2,6-difluorophenyl)methyl]-, 3-oxide (9CI) (CA INDEX NAME)

L3 ANSWER 132 OF 162 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



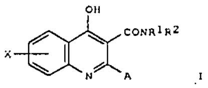
RN 125588-50-3 CAPLUS
CN 2-Benzothiazolecarboxamide, 7-chloro-N-[2-(2-methoxyphenyl)ethyl]-, 3-oxide (9CI) (CA INDEX NAME)



L3 ANSWER 133 OF 162 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1990:55850 CAPLUS
DOCUMENT NUMBER: 112:55850
TITLE: N-thiazolylquinolinecarboxamides and analogs as analgesics and antiinflammatory agents, their preparation, and formulations containing them
INVENTOR(S): Clemence, Francois; Le Martret, Odile; Delevallee, Francoise
PATENT ASSIGNEE(S): Roussel-UCLAF, Fr.
SOURCE: U.S., 14 pp. Cont.-in-part of U.S. Ser. No. 831,356, abandoned.
CODEN: USXXAM
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 5
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.		DATE
US 4845105	A	19890704	US 1987-30680		19870324
FR 2572404	A2	19860502	FR 1984-16573		19841030
FR 2572404	B2	19871211			
FR 2585356	A1	19870130	FR 1985-11389		19850725
FR 2585356	B1	19871023			
US 4735951	A	19880405	US 1985-790064		19851022
ES 549704	A5	19880928	ES 1985-549704		19851119
US 4988708	A	19910129	US 1988-183911		19880420
PRIORITY APPLN. INFO.:			FR 1984-16573	A	19841030
			FR 1985-11389	A	19850725
			US 1985-790064	A2	19851022
			US 1986-831356	A2	19860220
			US 1986-890081	A1	19860724
			FR 1982-9654		19820603
			GB 1985-2008	A	19850126
			US 1987-30680	A2	19870324

OTHER SOURCE(S): MARPAT 112:55850
GI



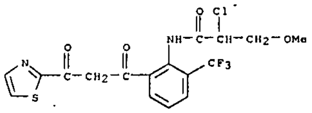
I

AB The title compds. I (X = H, halo, C1-5 alkyl, etc., in the 5-, 6-, 7-, or 8-position; R1 = H, C1-4 alkyl; R2 = thiazolyl, 4,5-dihydrothiazolyl, pyridinyl, oxazolyl, etc.; A = CR3R4OCOR5, etc.; R3, R4 = H, C1-4 alkyl, aryl; R5 = Ph, naphthyl, etc.), useful as analgesics and antiinflammatory

L3 ANSWER 133 OF 162 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

agents, were prepd. A mixt. of 4-hydroxy-2-(1-propenyl)-N-(2-thiazolyl)-8-trifluoromethyl-3-quinolinecarboxamide, methylbenzyl ammonium chloride, and KMnO4 in CH2Cl2 was stirred at 0° for 1 h to give 2-(1,2-dihydroxypropyl)-4-hydroxy-N-(2-thiazolyl)-8-trifluoromethyl-3-quinolinecarboxamide (II). In a chronic arthritis test using rats, II exhibited an oral ED50 of 3 mg/kg. Tablet formulations contg I were given.

IT 124823-04-7P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation and reaction of, in preparation of analgesic and antiinflammatory agent)
RN 124823-04-7 CAPLUS
CN Propanamide, 2-chloro-N-[2-[1,3-dioxo-3-(2-thiazolyl)propyl]-6-(trifluoromethyl)phenyl]-3-methoxy- (9CI) (CA INDEX NAME)



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L3   ANSWER 134 OF 162  CAPLUS  COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER:         1990:55578  CAPLUS
DOCUMENT NUMBER:          112:55578
TITLE:                    Preparation and testing of 2,5-diaryltetrahydrofurans
                          and analogs thereof as platelet-activating factor
                          (PAF) antagonists
INVENTOR(S):              Biftu, Tesfaye; Hwang, San Boa; Doebber, Thomas W.;
                          Beattie, Thomas R.; Shen, Tsung Ying
PATENT ASSIGNEE(S):       Merck and Co., Inc., USA
SOURCE:                   Eur. Pat. Appl., 69 pp.
                          CODEN: EPXXDW
DOCUMENT TYPE:            Patent
LANGUAGE:                 English
FAMILY ACC. NUM. COUNT:   4
PATENT INFORMATION:

     PATENT NO.          KIND    DATE        APPLICATION NO.          DATE
     ---------------     ----    --------    --------------------     --------
     EP 322033            A2     19890628    EP 1988-202879           19881214
     EP 322033            A3     19900822
         R:  AT, BE, CH, DE, ES, FR, GB, GR, IT, LI, LU, NL, SE
     ZA 8809350           A      19890830    ZA 1988-9350             19881214
     AU 8827304           A      19890622    AU 1988-27304            19881220
     AU 622881            B2     19920430
     DK 8807077           A      19890816    DK 1988-7077             19881220
     JP 01211576          A      19890824    JP 1988-320764           19881221
     US 5010100           A      19910423    US 1989-362919           19890608
PRIORITY APPLN. INFO.:                       US 1987-135862        A  19871221

                                             US 1983-551666        A2 19831114

                                             US 1985-725687        B2 19850422

                                             US 1986-852607        B2 19860416

OTHER SOURCE(S):          MARPAT 112:55578
GI
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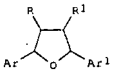

I

```
AB   The title compds. [I; R, R1 = H, halo, haloalkyl, (substituted)
carbamoyl,
     etc., Ar, Ar1 = (substituted) Ph, etc.], useful as PAF antagonists in
     treating hypotension, inflammation, etc., are prepared
3,4-(MeO)2C6H3COMe
     was added to LiN(CHMe2)2 in THF with stirring at -10 to -40°; CuCl2
     in DMF was added after 1h followed by stirring overnight to give
     1,2-bis(3,4-dimethoxybenzoyl)ethane, which was reduced with LiAlH4 in THF
     to give the corresponding diol II.  II in CH2Cl2 was treated with Et3N
and
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L3   ANSWER 134 OF 162  CAPLUS  COPYRIGHT 2007 ACS on STN     (Continued)
     MeSO2Cl under N at 0° to give trans-I [R = R1 = H; Ar = Ar1 =
     3,4-(MeO)2C6H4], which showed 100% and 74% inhibition of rabbit platelet
     aggregation at 5 and 1 µM, resp.  I also showed up to 89% inhibition of
     3H-PAF binding in human platelets at 3-30 µM.
IT   124768-52-1P
     RL: SPN (Synthetic preparation); PREP (Preparation)
        (preparation of, as platelet-activating factor antagonist)
RN   124768-52-1  CAPLUS
CN   Methanone,
[2-ethoxy-3-methoxy-5-[tetrahydro-5-(3,4,5-trimethoxyphenyl)-2-
     furanyl]phenyl]-2-thiazolyl-, trans- (9CI)  (CA INDEX NAME)

Relative stereochemistry.
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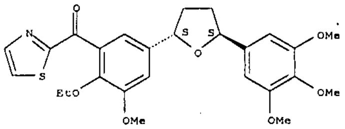

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L3   ANSWER 135 OF 162  CAPLUS  COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER:         1987:102273  CAPLUS
DOCUMENT NUMBER:          106:102273
TITLE:                    Thiazole derivatives as cardiotonics
INVENTOR(S):              Takase, Muneaki; Yoshioka, Kimitomo; Yamazaki,
Hiroaki
PATENT ASSIGNEE(S):       Zenyaku Kogyo Co., Ltd., Japan
SOURCE:                   Eur. Pat. Appl., 29 pp.
                          CODEN: EPXXDW
DOCUMENT TYPE:            Patent
LANGUAGE:                 English
FAMILY ACC. NUM. COUNT:   1
PATENT INFORMATION:

     PATENT NO.          KIND    DATE        APPLICATION NO.          DATE
     ---------------     ----    --------    --------------------     --------
     EP 199968            A1     19861210    EP 1986-103751           19860319
     EP 199968            B1     19900228
         R:  BE, CH, DE, FR, GB, IT, LI, NL, SE
     JP 62005972          A      19870112    JP 1986-66610            19860325
     JP 06067918          B      19940831
     CA 1275096           A1     19901009    CA 1986-505095           19860326
     US 4804668           A      19890214    US 1986-844615           19860327
PRIORITY APPLN. INFO.:                       JP 1985-62575         A  19850327

OTHER SOURCE(S):          CASREACT 106:102273; MARPAT 106:102273
GI
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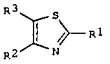
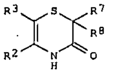


I



II

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AB   The title compds. (I; R1 = cyano, CO2R4, CONR5R6; R2 = H, alkyl; R3 =
     N-heterocyclyl; R4 = H, alkyl; R5, R6 = H, alkyl, aryl, aminoalkyl,
     alkylaminoalkyl; R5NR6 = heterocyclyl) were prepared as cardiotonic
agents.
     Thus, thiazinone II (R2 = Me, R3 = R7 = R8 = H) was condensed with
     Cl3CH2O2CCl and pyridine to give II [R2 = Me, R3 = 1-[(2,2,2-
     trichloroethoxy)carbonyl]-1,4-dihydro-4-pyridinyl, R7 = R8 = H).  This
was
     decarboxylated with S and oxidized with 3-ClC6H4C(O)OOH in MeOH to give
II
     (R2 = Me, R3 = 4-pyridinyl, R7 = R8 = OMe), which rearranged in acid to
     give I (R1 = CO2Me, R2 = Me, R3 = 4-pyridinyl).  The latter reacted with
     NH3 to give I (R1 = CONH2, R2 = Me, R3 = 4-pyridinyl) (III).  At 10-4M
III
     gave a maximum contractile force of 1,325 mg in guinea pig atrium.
IT   106853-21-8P
     RL: BAC (Biological activity or effector, except adverse); BSU
(Biological
     study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use);
     BIOL (Biological study); PREP (Preparation); USES (Uses)
        (preparation of, as cardiotonic)
RN   106853-21-8  CAPLUS
CN   2-Thiazolecarboxamide, N-(2,6-dimethylphenyl)-4-methyl-5-(4-pyridinyl)-
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L3   ANSWER 135 OF 162  CAPLUS  COPYRIGHT 2007 ACS on STN     (Continued)
     (9CI)  (CA INDEX NAME)
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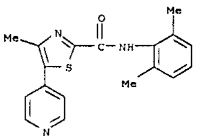

L3 ANSWER 136 OF 162 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1986:590977 CAPLUS
DOCUMENT NUMBER: 105:190977
TITLE: Condensed quinolines with a nodal nitrogen atom
INVENTOR(S): Volovenko, Yu. M.; Babichev, F. S.; Nemazanyi, A. G.; Shevchenko, V. A.
PATENT ASSIGNEE(S): Kiev State University, USSR
SOURCE: U.S.S.R. From: Otkrytiya, Izobret. 1986, (22), 117-18
CODEN: URXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Russian
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

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     PATENT NO.          KIND   DATE        APPLICATION NO.         DATE
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     SU 1237667           A1    19860615    SU 1983-3679744         19831227
PRIORITY APPLN. INFO.:                      SU 1983-3679744         19831227
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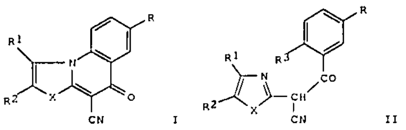
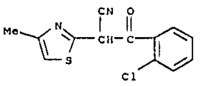
OTHER SOURCE(S): CASREACT 105:190977
GI

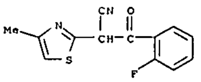


AB Condensed quinolines with a nodal N atom, I (R = H, NO2; R1R2 = CH:CHCH:CH, X = NMe, CH:CH; R1 = R2 = H, X = CH:CH; R1 = Me, R2 = H, X = S) are prepared by cyclizing the corresponding azahetarylacetonitriles II (R3 = Cl, F) in refluxing inert solvents e.g. DMF, (4-BrC6H4)2O, or N-methyl-2-pyrrolidinone, for 1.5-4.0 h.
IT 105099-05-6 105099-06-7
RL: RCT (Reactant); RACT (Reactant or reagent)
(cyclization of, condensed quinoline by)
RN 105099-05-6 CAPLUS
CN 2-Thiazoleacetonitrile, α-(2-chlorobenzoyl)-4-methyl- (9CI) (CA INDEX NAME)

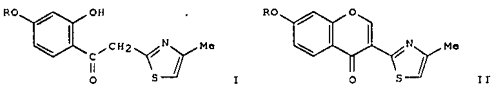
L3 ANSWER 136 OF 162 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



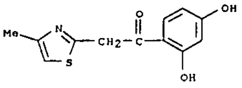
RN 105099-06-7 CAPLUS
CN 2-Thiazoleacetonitrile, α-(2-fluorobenzoyl)-4-methyl- (9CI) (CA INDEX NAME)



L3 ANSWER 137 OF 162 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1986:207544 CAPLUS
DOCUMENT NUMBER: 104:207544
TITLE: Formylated glycosides of 3-(4-methyl-2-thiazolyl)-7-hydroxychromone
AUTHOR(S): Khilya, V. P.; Pivovarenko, V. G.
CORPORATE SOURCE: KDU, Kiev, USSR
SOURCE: Dopovidi Akademii Nauk Ukrains'koi RSR, Seriya B: Geologichni, Khimichni ta Biologichni Nauki (1985), (8), 52-5
CODEN: DANND6; ISSN: 0377-9785
DOCUMENT TYPE: Journal
LANGUAGE: Ukrainian
GI



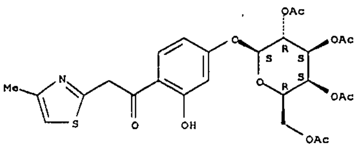
AB α-(4-Methyl-2-thiazolyl)-2,4-dihydroxyacetophenone (I; R = H) condensed with peracetylated D-gluco-, -galacto- and -arabinopyranosyl bromides in aqueous Me2CO containing KOH to give the corresponding acetylated glycosides, which were deacylated with 2 N aqueous NaOH to give the free glycosides. Cyclizing the latter with HCO2Ac-pyridine gave the corresponding performylated glycosides II, while analogous cyclization of I (R = tetraacetyl-D-galactopyranosyl) gave II (same R). The NMR spectra of the products were interpreted in terms of configuration and conformation, as well the regiochem. of the initial condensation reaction.
IT 75896-41-2
RL: RCT (Reactant); RACT (Reactant or reagent)
(condensation reaction of, with peracetylated glycopyranosyl bromides)
RN 75896-41-2 CAPLUS
CN Ethanone, 1-(2,4-dihydroxyphenyl)-2-(4-methyl-2-thiazolyl)- (9CI) (CA INDEX NAME)



IT 102099-27-4P 102099-28-5P
RL: RCT (Reactant); PREP (Preparation); RACT (Reactant or reagent)
(formation and deacetylation of, in synthesis of formylated glycosides of (methylthiazolyl)hydroxychromone)
RN 102099-27-4 CAPLUS
CN Ethanone, 1-[2-hydroxy-4-[(2,3,4,6-tetra-O-acetyl-β-D-

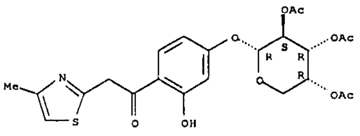
L3 ANSWER 137 OF 162 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)
galactopyranosyl)oxy]phenyl]-2-(4-methyl-2-thiazolyl)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



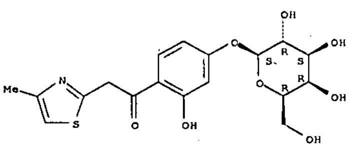
RN 102099-28-5 CAPLUS
CN Ethanone, 1-[2-hydroxy-4-[(2,3,4-tri-O-acetyl-α-D-arabinopyranosyl)oxy]phenyl]-2-(4-methyl-2-thiazolyl)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



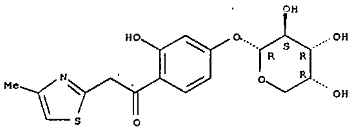
IT 102099-30-9P 102099-31-0P 102115-35-5P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation and cyclization of, in synthesis of formylated glycosides of (methylthiazolyl)hydroxychromone)
RN 102099-30-9 CAPLUS
CN Ethanone, 1-[4-(β-D-galactopyranosyloxy)-2-hydroxyphenyl]-2-(4-methyl-2-thiazolyl)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



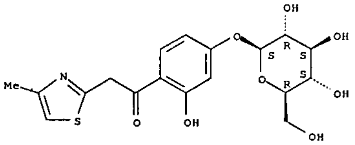
L3 ANSWER 137 OF 162 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)
RN 102099-31-0 CAPLUS
CN Ethanone, 1-[4-(α-D-arabinopyranosyloxy)-2-hydroxyphenyl]-2-(4-methyl-2-thiazolyl)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 102115-35-5 CAPLUS
CN Ethanone, 1-[4-(β-D-glucopyranosyloxy)-2-hydroxyphenyl]-2-(4-methyl-2-thiazolyl)- (9CI) (CA INDEX NAME)

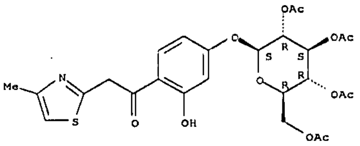
Absolute stereochemistry.



IT 102099-26-3P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation, NMR and deacetylation of)
RN 102099-26-3 CAPLUS
CN Ethanone, 1-[2-hydroxy-4-[(2,3,4,6-tetra-O-acetyl-β-D-glucopyranosyl)oxy]phenyl]-2-(4-methyl-2-thiazolyl)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

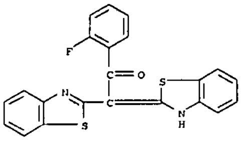
L3 ANSWER 137 OF 162 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



L3 ANSWER 138 OF 162 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1986:88473 CAPLUS
DOCUMENT NUMBER: 104:88473
TITLE: Synthesis and properties of di(benzothiazol-2-yl) methylketones
AUTHOR(S): Volovenko, Yu. M.; Nemazanyi, A. G.; Babichev, F. S.
CORPORATE SOURCE: Kiev. Univ., Kiev, USSR
SOURCE: Ukrainskii Khimicheskii Zhurnal (Russian Edition) (1985), 51(7), 750-3
CODEN: UKZHAU; ISSN: 0041-6045
DOCUMENT TYPE: Journal
LANGUAGE: Russian
OTHER SOURCE(S): CASREACT 104:88473
GI

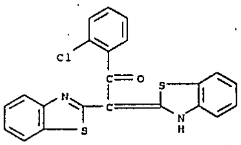
* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

AB Acylation of 2,2'-oxybis[benzothiazole] (I) by RCOX (R = Me, Et, X = Me, Et; R = Ph, o-ClC6H4, X = Cl) gave 78-88% benzothiazoles II. Acylation of I by 2,5-Cl(O2N)C6H3COCl gave 76% pyridobenzothiazole III; acylation by 2-chloronicotinoyl chloride gave 89% benzothiazolonaphthyridine IV.
IT 100441-15-4P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation and thermal cyclization of)
RN 100441-15-4 CAPLUS
CN Ethanone, 2-(2-benzothiazolyl)-2-(2(3H)-benzothiazolylidene)-1-(2-fluorophenyl)- (9CI) (CA INDEX NAME)



IT 100441-14-3P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)
RN 100441-14-3 CAPLUS
CN Ethanone, 2-(2-benzothiazolyl)-2-(2(3H)-benzothiazolylidene)-1-(2-chlorophenyl)- (9CI) (CA INDEX NAME)

L3 ANSWER 138 OF 162 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



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L3   ANSWER 139 OF 162  CAPLUS  COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER:         1983:438246  CAPLUS
DOCUMENT NUMBER:          99:38246
TITLE:                    N-Alkynyl naphthylamides and fungicidal compositions
                          containing them
INVENTOR(S):              Zeeh, Bernd; Rentzea, Costin; Ammermann, Eberhard;
                          Pommer, Ernst Heinrich
PATENT ASSIGNEE(S):       BASF A.-G. , Fed. Rep. Ger.
SOURCE:                   Ger. Offen., 23 pp.
                          CODEN: GWXXBX
DOCUMENT TYPE:            Patent
LANGUAGE:                 German
FAMILY ACC. NUM. COUNT:   1
PATENT INFORMATION:

     PATENT NO.          KIND   DATE       APPLICATION NO.        DATE
     ---------------     ----   --------   --------------------   --------
     DE 3135238           A1    19830317   DE 1981-3135238        19810905
     EP 76382             A2    19830413   EP 1982-107947         19820830
     EP 76382             A3    19840905
         R:  AT, BE, CH, DE, FR, GB, IT, LI, NL, SE
PRIORITY APPLN. INFO.:                     DE 1981-3135238     A  19810905

OTHER SOURCE(S):          CASREACT 99:38246; MARPAT 99:38246
GI
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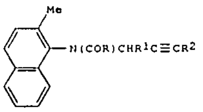

I

```
AB   Fungicidal (no data) N-alkynyl-N-naphthyl amides I [R = (un)substituted
     alkyl, furyl, thiazolyl, thiadiazolyl, etc.; R1 = H, alkyl, cycloalkyl,
     alkenyl; R2 = H, halo] were prepared  Thus, 2-methyl-1-naphthylamine was
     acylated with MeOCH2COCl and the amide treated with BrCH2C.tplbond.CH to
     give 86.4% I (R = MeOCH2, R1 = R2 = H).
IT   86314-82-1P
     RL: SPN (Synthetic preparation); PREP (Preparation)
        (preparation of)
RN   86314-82-1  CAPLUS
CN   2-Thiazolecarboxamide,
N-(2-methyl-1-naphthalenyl)-N-(1-methyl-2-propynyl)-
      (9CI)  (CA INDEX NAME)
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L3   ANSWER 139 OF 162  CAPLUS  COPYRIGHT 2007 ACS on STN  .  (Continued)
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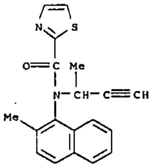

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L3   ANSWER 140 OF 162  CAPLUS  COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER:         1983:198206  CAPLUS
DOCUMENT NUMBER:          98:198206
TITLE:                    Thiazolyl- and isothiazolylcarboxylic acid anilides
                          and their use as fungicides
INVENTOR(S):              Zeeh, Bernd; Rentzea, Costin; Ammermann, Eberhard;
                          Prommer, Ernst Heinrich
PATENT ASSIGNEE(S):       BASF A.-G. , Fed. Rep. Ger.
SOURCE:                   Ger. Offen., 22 pp.
                          CODEN: GWXXBX
DOCUMENT TYPE:            Patent
LANGUAGE:                 German
FAMILY ACC. NUM. COUNT:   1
PATENT INFORMATION:

     PATENT NO.          KIND   DATE       APPLICATION NO.        DATE
     ---------------     ----   --------   --------------------   --------
     DE 3133418           A1    19830310   DE 1981-3133418        19810824
     EP 73973             A1    19830316   EP 1982-107510         19820818
         R:  AT, BE, CH, DE, FR, GB, IT, LI, NL, SE
PRIORITY APPLN. INFO.:                     DE 1981-3133418     A  19810824

OTHER SOURCE(S):          MARPAT 98:198206
GI
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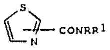

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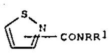
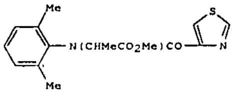


II



III

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AB   Title compds. I and II (R = substituted Ph; R1 = CHMeCO2Me,
     tetrahydro-2-oxo-3-furyl) and their substituted derivs. were prepared
Thus,
     2,6-Me2C6H3NHCHMeCO2Me was treated with 4-thiazolecarbonyl chloride to
     give 45.6% III.  Sprayed on tomato plants, 0.0015% III gave better
     protection against Phytophthora infestaus than did N-(1-
     methoxycarbonylethyl)-N-(3-pyridinecarbonyl)-2-methyl-6-chloroaniline.
IT   85770-12-3P
.    RL: BAC (Biological activity or effector, except adverse); BSU
(Biological
     study, unclassified); SPN (Synthetic preparation); BIOL (Biological
     study); PREP (Preparation)
        (preparation and fungicidal activity of)
RN   85770-12-3  CAPLUS
CN   L-Alanine, N-(2,6-dimethylphenyl)-N-(2-thiazolylcarbonyl)-, methyl ester
     (9CI)  (CA INDEX NAME)

Absolute stereochemistry.
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L3   ANSWER 140 OF 162  CAPLUS  COPYRIGHT 2007 ACS on STN      (Continued)
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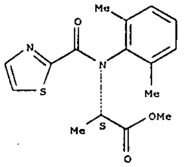

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IT   85770-23-6P
     RL: SPN (Synthetic preparation); PREP (Preparation)
        (preparation of)
RN   85770-23-6  CAPLUS
CN   2-Thiazolecarboxamide, N-(2,6-dimethylphenyl)-N-(tetrahydro-2-oxo-3-
     furanyl)- (9CI)  (CA INDEX NAME)
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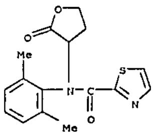

L3 ANSWER 141 OF 162 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1983:160462 CAPLUS
DOCUMENT NUMBER: 98:160462
TITLE: N-Substituted 2-methylnaphthylamides and fungicides containing them
INVENTOR(S): Rentzea, Costin; Eicken, Karl; Theobald, Hans; Zeeh, Bernd; Pommer, Ernst Heinrich; Ammermann, Eberhard
PATENT ASSIGNEE(S): BASF A.-G. , Fed. Rep. Ger.
SOURCE: Ger. Offen., 27 pp.
CODEN: GWXXBX
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

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     PATENT NO.          KIND    DATE        APPLICATION NO.          DATE
     ---------------     ----    --------    --------------------     --------
     DE 3126083           A1     19830120    DE 1981-3126083          19810702
     EP 69294             A1     19830112    EP 1982-105601           19820625
     EP 69294             B1     19850102
         R:  AT, BE, CH, DE, FR, GB, IT, LI, NL, SE
     AT 11042             T      19850115    AT 1982-105601           19820625
     CA 1179351           A1     19841211    CA 1982-406409           19820630
     ZA 8204692           A      19830525    ZA 1982-4692             19820701
     US 4568684           A      19860204    US 1984-682070           19841217
PRIORITY APPLN. INFO.:                       DE 1981-3126083      A   19810702

                                             EP 1982-105601       A   19820625

                                             US 1982-393634       A1  19820630
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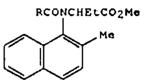
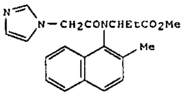
OTHER SOURCE(S): CASREACT 98:160462; MARPAT 98:160462
GI



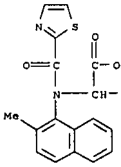
I



II

AB I [R = alkyl, alkoxyalkyl, (un)substituted heterocyclyl, e.g., furyl, isoxazolyl, oxazolyl, thiazolyl] were prepared and found superior to, e.g., Zn ethylenebis(dithiocarbamate) as fungicides. Thus, Me 2-[(2-methyl-1-naphthyl)amino]butyrate was treated with ClCH2COCl, then imidazole to give II.
IT 85349-13-9P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)
RN 85349-13-9 CAPLUS
CN Butanoic acid, 2-[(2-methyl-1-naphthalenyl)(2-thiazolylcarbonyl)amino]-,

L3 ANSWER 141 OF 162 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)
methyl ester (9CI) (CA INDEX NAME)



L3 ANSWER 142 OF 162 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1983:126116 CAPLUS
DOCUMENT NUMBER: 98:126116
TITLE: N-Substituted 2-methylnaphthylamides and their use as fungicides
INVENTOR(S): Rentzea, Costin; Zeeh, Bernd; Ammermann, Eberhard; Hamprecht, Gerhard; Pommer, Ernst Heinrich
PATENT ASSIGNEE(S): BASF A.-G. , Fed. Rep. Ger.
SOURCE: Eur. Pat. Appl., 43 pp.
CODEN: EPXXDW
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

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     PATENT NO.          KIND    DATE        APPLICATION NO.          DATE
     ---------------     ----    --------    --------------------     --------
     EP 65723             A1     19821201    EP 1982-104259           19820515
     EP 65723             B1     19840912
         R:  AT, BE, CH, DE, FR, GB, IT, NL, SE
     DE 3120804           A1     19821216    DE 1981-3120804          19810525
     IL 65756             A      19850430    IL 1982-65756            19820512
     US 4427688           A      19840124    US 1982-377968           19820513
     AT 9337              T      19840915    AT 1982-104259           19820515
     CA 1178592           A1     19841127    CA 1982-403108           19820517
     HU 30906             A2     19840428    HU 1982-1659             19820524
     HU 187712            B      19860228
     ZA 8203602           A      19830427    ZA 1982-3602             19820525
PRIORITY APPLN. INFO.:                       DE 1981-3120804      A   19810525

                                             EP 1982-104259       A   19820515
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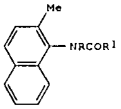
OTHER SOURCE(S): CASREACT 98:126116; MARPAT 98:126116
GI



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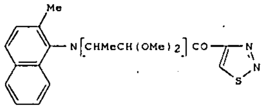
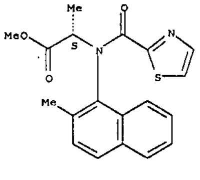


II

AB Naphthylamides I [R = CHMeCO2Me, CHMeCH(OR2)OR3, 2-oxo-3-tetrahydrofuryl; R1 = (un)substituted thiazolyl, thiadiazolyl; R2, R3 = Me, Et; R2R3 = alkylene] were prepared Thus 1-amino-2-methylnaphthalene was treated with MeCOCH(OMe)2 to give 96% Schiff base which was reduced to 74% of the aminopropanal acetal. The latter compound was treated with 1,2,3-thiadiazole-4-carbonyl chloride to give 55.3% II.
IT 85009-04-7P 85009-05-8P 85009-15-0P
85009-16-1P 85009-26-3P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)
RN 85009-04-7 CAPLUS
CN L-Alanine, N-(2-methyl-1-naphthalenyl)-N-(2-thiazolylcarbonyl)-, methyl

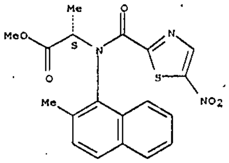
L3 ANSWER 142 OF 162 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)
ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.

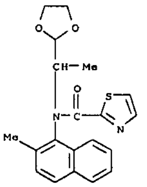


RN 85009-05-8 CAPLUS
CN L-Alanine, N-(2-methyl-1-naphthalenyl)-N-[(5-nitro-2-thiazolyl)carbonyl]-, methyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.

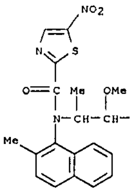


RN 85009-15-0 CAPLUS
CN 2-Thiazolecarboxamide, N-[1-(1,3-dioxolan-2-yl)ethyl]-N-(2-methyl-1-naphthalenyl)- (9CI) (CA INDEX NAME)

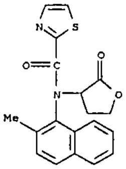


RN 85009-16-1 CAPLUS
CN 2-Thiazolecarboxamide, N-(2,2-dimethoxy-1-methylethyl)-N-(2-methyl-1-

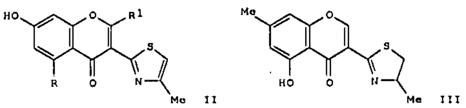
L3 ANSWER 142 OF 162 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)
naphthalenyl)-5-nitro- (9CI) (CA INDEX NAME)



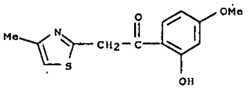
RN 85009-26-3 CAPLUS
CN 2-Thiazolecarboxamide, N-(2-methyl-1-naphthalenyl)-N-(tetrahydro-2-oxo-3-furanyl)- (9CI) (CA INDEX NAME)



L3 ANSWER 143 OF 162 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1981:65521 CAPLUS
DOCUMENT NUMBER: 94:65521
TITLE: Thiazole analogs of isoflavones
AUTHOR(S): Khilya, V. P.; Tkachuk, T. M.; Kupchevskaya, I. P.; Golubushina, G. M.
CORPORATE SOURCE: Kiev State Univ., Kiev, USSR
SOURCE: Dopovidi Akademii Nauk Ukrains'koi RSR, Seriya B: Geologichni, Khimichni ta Biologichni Nauki (1980), (5), 58-63
CODEN: DANND6; ISSN: 0377-9785
DOCUMENT TYPE: Journal
LANGUAGE: Ukrainian
OTHER SOURCE(S): CASREACT 94:65521
GI

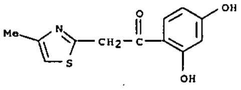


AB Condensing 2-(cyanomethyl)-4-methylthiazole with 3,5-(HO)2C6H3R (R = H, Me) gave 2,4,6-(I) and 4,2,6-R(HO)2C6H2COCH2R1 (R1 = 4-methylthiazol-2-yl), which cyclized with HC(OEt)3 in pyridine containing piperidine to give the title isoflavone analogs II (R = H, Me; R1 = H) and III, resp. I (R = H) reacted with Ac2O, (CF3CO)2O and EtO2CCOCl in the presence of an organic base to give II (R = H; R1 = Me, CF3, CO2Et, resp.). These products were methylated and acetylated by the usual method and recyclized to (o-hydroxyaryl)pyrazoles and -isoxazoles with N2H4.H2O and HONH2.HCl, resp.
IT 75896-53-6P
RL: PRP (Properties); SPN (Synthetic preparation); PREP (Preparation)
(preparation and NMR spectrum of)
RN 75896-53-6 CAPLUS
CN Ethanone, 1-(2-hydroxy-4-methoxyphenyl)-2-(4-methyl-2-thiazolyl)- (9CI) (CA INDEX NAME)

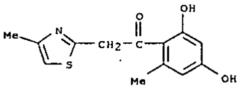


IT 75896-41-2P 75896-42-3P 75896-43-4P

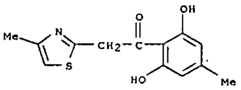
L3 ANSWER 143 OF 162 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(prepn. and cyclization of, with Et orthoformate, in synthesis of thiazole analogs of isoflavones)
RN 75896-41-2 CAPLUS
CN Ethanone, 1-(2,4-dihydroxyphenyl)-2-(4-methyl-2-thiazolyl)- (9CI) (CA INDEX NAME)



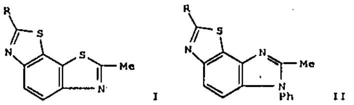
RN 75896-42-3 CAPLUS
CN Ethanone, 1-(2,4-dihydroxy-6-methylphenyl)-2-(4-methyl-2-thiazolyl)- (9CI) (CA INDEX NAME)



RN 75896-43-4 CAPLUS
CN Ethanone, 1-(2,6-dihydroxy-4-methylphenyl)-2-(4-methyl-2-thiazolyl)- (9CI) (CA INDEX NAME)

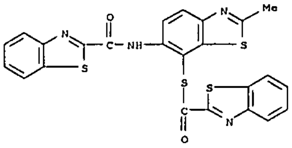


L3 ANSWER 144 OF 162 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1978:548132 CAPLUS
DOCUMENT NUMBER: 89:148132
TITLE: Fluoro and alkoxy derivatives of benzobisthiazole and imidazobenzothiazole
AUTHOR(S): Fridman, S. G.; Kotova, L. I.
CORPORATE SOURCE: Inst. Org. Khim., Kiev, USSR
SOURCE: Ukrainskii Khimicheskii Zhurnal (Russian Edition) (1978), 44(6), 637-44
CODEN: UKZHAU; ISSN: 0041-6045
DOCUMENT TYPE: Journal
LANGUAGE: Russian
GI



AB Benzobisthiazoles I (R = CF3, p-FC6H4, p-MeOC6H4) and imidazobenzothiazoles II (R = CF3, p-FC6H4) were prepared by condensation of RCO2H or RCOCl with 6-amino-2-methyl-7-benzothiazolethiol (III) [42222-48-0] or K 5-amino-2-methyl-1-phenyl-1H-benzimidazole-4-thiolate [67748-35-0], resp., quaternized with p-MeC6H4SO3Et [80-40-0], and converted to cyanine dyes (20) by standard reactions. In unsym. cyanines the benzo[1,2-d:4,3-d']bisthiazole and imidazo[4,5-g]benzothiazole nuclei showed basicities close to that of the benzothiazole nucleus. Attempts to prepare I (R = 2-benzothiazolyl) from III and benzothiazole-2-carbonyl chloride [67748-61-2] gave only the N,S-diacyl derivative [67748-65-6].
IT 67748-65-6P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)
RN 67748-65-6 CAPLUS
CN 2-Benzothiazolecarbothioic acid, S-[6-[(2-benzothiazolylcarbonyl)amino]-2-methyl-7-benzothiazolyl] ester (9CI) (CA INDEX NAME)

L3 ANSWER 144 OF 162 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



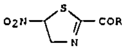
L3 ANSWER 145 OF 162 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1977:189913 CAPLUS
Correction of: 1975:443307
DOCUMENT NUMBER: 86:189913
Correction of: 83:43307
TITLE: Fungicidal 2-acyl-5-nitrothiazoles
INVENTOR(S): Strehlke, Peter; Schroeder, Eberhard; Kessler, Hans J.
PATENT ASSIGNEE(S): Schering A.-G., Fed. Rep. Ger.
SOURCE: Ger. Offen., 11 pp. Addn. to Ger. Offen. 2,204,364.
CODEN: GWXXBX
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 2337153	A1	19750206	DE 1973-2337153	19730718
DK 7403737	A	19750303	DK 1974-3737	19740711
CH 582165	A5	19761130	CH 1974-9598	19740711
ES 428224	A2	19761116	ES 1974-428224	19740712
AU 7471249	A	19760115	AU 1974-71249	19740715
DD 112453	A6	19750405	DD 1974-179941	19740716
SE 7409329	A	19750120	SE 1974-9329	19740717
HU 167674	B	19751128	HU 1974-SC485	19740717
US 4006241	A	19770201	US 1974-489161	19740717
BE 817807	A4	19750120	BE 1974-146690	19740718
NL 7409716	A	19750121	NL 1974-9716	19740718
FR 2237632	A2	19750214	FR 1974-24990	19740718
JP 50040562	A	19750414	JP 1974-82671	19740718

PRIORITY APPLN. INFO.: US 1972-265462 A2 19720623

DE 1973-2337153 A 19730718

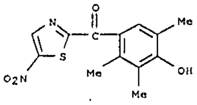
GI



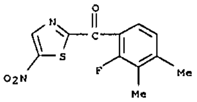
I

AB Six thiazoles I [R = C6H(OMe)Me3-4,2,3,6, C6H2(OH)Me2-4,3,5, C6H(OH)Me3-4,2,3,5 (II), C6H2FMe2-2,3,4, 5-iodo-2-thienyl, 5-bromo-2-thienyl) were prepared in ≤60% yield by reaction of I (R = Cl) with RH in the presence of AlCl3. I were used as fungicides, especially for skin protection. The min. inhibitory concentration of II against Candida albicans were 1.6 μg/mL.
IT 52872-58-9P 52872-60-3P 52928-08-2P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)
RN 52872-58-9 CAPLUS

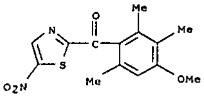
L3 ANSWER 145 OF 162 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)
CN Methanone, (4-hydroxy-2,3,5-trimethylphenyl)(5-nitro-2-thiazolyl)- (9CI) (CA INDEX NAME)



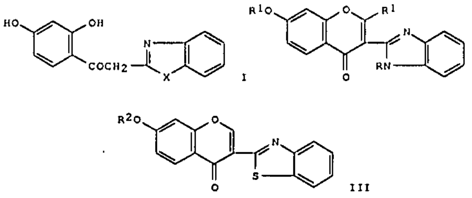
RN 52872-60-3 CAPLUS
CN Methanone, (2-fluoro-3,4-dimethylphenyl)(5-nitro-2-thiazolyl)- (9CI) (CA INDEX NAME)



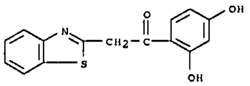
RN 52928-08-2 CAPLUS
CN Methanone, (4-methoxy-2,3,6-trimethylphenyl)(5-nitro-2-thiazolyl)- (9CI) (CA INDEX NAME)



L3 ANSWER 146 OF 162 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1976:105486 CAPLUS
DOCUMENT NUMBER: 84:105486
TITLE: Chemistry of the hetero analogs of isoflavones. III. Synthesis of benzimidazole and benzothiazole analogs of isoflavones
AUTHOR(S): Khilya, V. P.; Grishko, L. G.; Sokolova, T. N.
CORPORATE SOURCE: Kiev. Gos. Univ. im. Shevchenko, Kiev, USSR
SOURCE: Khimiya Geterotsiklicheskikh Soedinenii (1975), (12), 1593-5
CODEN: KGSSAQ; ISSN: 0132-6244
DOCUMENT TYPE: Journal
LANGUAGE: Russian
OTHER SOURCE(S): CASREACT 84:105486
GI



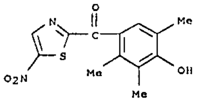
AB Heterocyclic acetophenones I (X = NH, NMe, S) were obtained in 50-76% yields by condensation of a heterocyclic acetonitrile with resorcinol. Chromones (II, R = H, Me, R1 = CF3, CO2Et, Me, H, R2 = H, COMe) were obtained in 60-99% yields by cyclization of I with (F3CCO)2O, EtO2CCOCl, Ac2O, or (EtO)3CH in pyridine at 2-3°. Addnl. obtained were 78 and 81% III (R2 = H, Me).
IT 58629-06-4P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)
RN 58629-06-4 CAPLUS
CN Ethanone, 2-(2-benzothiazolyl)-1-(2,4-dihydroxyphenyl)- (9CI) (CA INDEX NAME)



L3 ANSWER 147 OF 162 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1975:443307 CAPLUS
DOCUMENT NUMBER: 83:43307
TITLE: Fungicidal 2-acyl-5-nitrothiazoles
INVENTOR(S): Strehlke, Peter; Schroeder, Eberhard; Kessler, Hans J.
PATENT ASSIGNEE(S): Schering A.-G.
SOURCE: Ger. Offen., 11 pp. Addn. to Ger. Offen. 2,204,364 (CA 79: 105239u).
CODEN: GWXXBX
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

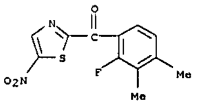
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 2337153		19750206	DE 1973-2337153	19730718

GI For diagram(s), see printed CA Issue.
AB Six thiazoles I [R = C6H(OMe)Me3-4,2,3,6, C6H2(OH)Me2-4,3,5, C6H(OH)Me3-4,2,3,5, C6H2FMe2-2,3,4, 5-iodo-2-thienyl, 5-bromo-2-thienyl] were prepared in ≤60% yield by reaction of I (R = Cl) with RH in the presence of AlCl3. I were used as fungicides, especially for skin protection.
IT 52872-58-9P 52872-60-3P
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)
(preparation and fungicidal activity of)
RN 52872-58-9 CAPLUS
CN Methanone, (4-hydroxy-2,3,5-trimethylphenyl)(5-nitro-2-thiazolyl)- (9CI) (CA INDEX NAME)

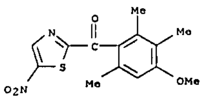


RN 52872-60-3 CAPLUS
CN Methanone, (2-fluoro-3,4-dimethylphenyl)(5-nitro-2-thiazolyl)- (9CI) (CA INDEX NAME)

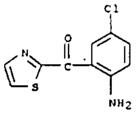
L3 ANSWER 147 OF 162 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



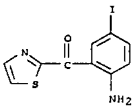
IT 52928-08-2P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)
RN 52928-08-2 CAPLUS
CN Methanone, (4-methoxy-2,3,6-trimethylphenyl)(5-nitro-2-thiazolyl)- (9CI) (CA INDEX NAME)



L3 ANSWER 148 OF 162 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1975:428200 CAPLUS
DOCUMENT NUMBER: 83:28200
TITLE: Quinazolines and 1,4-benzodiazepines. LXVIII. 5-Heterocyclic-substituted benzodiazepinones
AUTHOR(S): Kalish, Robert; Broger, E.; Field, George F.; Anton, T.; Steppe, Thomas V.; Sternbach, Leo H.
CORPORATE SOURCE: Chem. Res. Dep., Hoffmann-La Roche Inc., Nutley, NJ, USA.
SOURCE: Journal of Heterocyclic Chemistry (1975), 12(1), 49-57
CODEN: JHTCAD; ISSN: 0022-152X
DOCUMENT TYPE: Journal
LANGUAGE: English
OTHER SOURCE(S): CASREACT 83:28200
GI For diagram(s), see printed CA Issue.
AB The synthesis of new 1,4-benzodiazepin-2-ones containing the 2-thiazolyl, 5-isothiazolyl, 1-methyl-2-imidazolyl, 1-methyl-5-pyrazolyl, and 3,5-dimethyl-4-isoxazolyl groups in the 5-position of the benzodiazepine ring are described. Thus, 2-bromobenzothiazole, was lithiated in the 2-position, the product treated with o-O2NC6H4CHO to give alc. I, oxidation to ketone II, reduction to amine III, acylation to bromoacetanilide IV, cyclization to benzodiazepinone V, and methylation to VI. Similarly prepared were the 7-Cl derivs. of VI and analogs, and the unchlorinated 3,5-dimethyl-4-isoxazolyl analog.
IT 39254-68-7P 39254-78-9P 39254-87-0P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation and bromoacetylation of)
RN 39254-68-7 CAPLUS
CN Methanone, (2-amino-5-chlorophenyl)-2-thiazolyl- (9CI) (CA INDEX NAME)

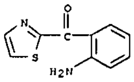


RN 39254-78-9 CAPLUS
CN Methanone, (2-amino-5-iodophenyl)-2-thiazolyl- (9CI) (CA INDEX NAME)

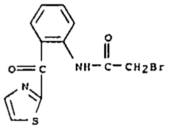


RN 39254-87-0 CAPLUS
CN Methanone, (2-aminophenyl)-2-thiazolyl- (9CI) (CA INDEX NAME)

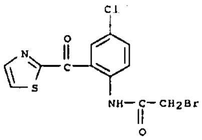
L3 ANSWER 148 OF 162 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



IT 39264-18-1P 39481-63-5P 39481-64-6P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation and cyclization with ammonia, benzodiazepinones by)
RN 39264-18-1 CAPLUS
CN Acetamide, 2-bromo-N-[2-(2-thiazolylcarbonyl)phenyl]- (9CI) (CA INDEX NAME)



RN 39481-63-5 CAPLUS
CN Acetamide, 2-bromo-N-[4-chloro-2-(2-thiazolylcarbonyl)phenyl]- (9CI) (CA INDEX NAME)



RN 39481-64-6 CAPLUS
CN Acetamide, 2-bromo-N-[4-iodo-2-(2-thiazolylcarbonyl)phenyl]- (9CI) (CA INDEX NAME)

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L3   ANSWER 148 OF 162  CAPLUS  COPYRIGHT 2007 ACS on STN      (Continued)
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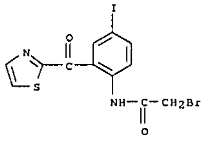

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IT   39254-67-6P 39264-16-9P
     RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT
     (Reactant or reagent)
        (preparation and hydrogenation of)
RN   39254-67-6  CAPLUS
CN   Methanone, (5-chloro-2-nitrophenyl)-2-thiazolyl- (9CI)  (CA INDEX NAME)
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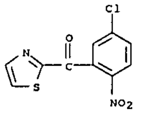

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RN   39264-16-9  CAPLUS
CN   Methanone, (2-nitrophenyl)-2-thiazolyl- (9CI)  (CA INDEX NAME)
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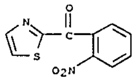

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L3   ANSWER 149 OF 162  CAPLUS  COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER:         1974:552074  CAPLUS
DOCUMENT NUMBER:          81:152074
TITLE:                    2,4-Disubstituted thiazoles
AUTHOR(S):                Chaphekar, M. R.; Ghalsasi, L. P.
CORPORATE SOURCE:         Dep. Chem., Parle Coll., Bombay, India
SOURCE:                   Journal of the Indian Chemical Society (1974), 51(5),
                          564-5
                          CODEN: JICSAH; ISSN: 0019-4522
DOCUMENT TYPE:            Journal
LANGUAGE:                 English
GI   For diagram(s), see printed CA Issue.
AB   Thiazoles I (R = H, OMe, Me, Cl; R1R2 = O; R3 = H, Cl, R4 = Cl, R3 = H,
R4
     = Me) were prepared by condensing p-RC6H4COCH2Br with 2,4-
     R3R4C6H3CH(OBz)CSNH2, hydrolyzing I (R1 = H, R2 = OBz), and oxidizing I
     (R1 = H, R2 = OH).
IT   54223-48-2P 54223-49-3P 54223-50-6P
     54295-54-4P
     RL: SPN (Synthetic preparation); PREP (Preparation)
        (preparation of)
RN   54223-48-2  CAPLUS
CN   Methanone, [4-(4-chlorophenyl)-2-thiazolyl](2,4-dichlorophenyl)- (9CI)
     (CA INDEX NAME)
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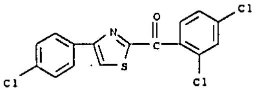

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RN   54223-49-3  CAPLUS
CN   Methanone, (2,4-dichlorophenyl)[4-(4-methylphenyl)-2-thiazolyl]- (9CI)
     (CA INDEX NAME)
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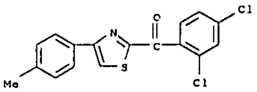

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RN   54223-50-6  CAPLUS
CN   Methanone, (2,4-dichlorophenyl)[4-(4-methoxyphenyl)-2-thiazolyl]- (9CI)
     (CA INDEX NAME)
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L3   ANSWER 149 OF 162  CAPLUS  COPYRIGHT 2007 ACS on STN      (Continued)
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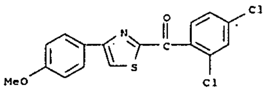

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RN   54295-54-4  CAPLUS
CN   Methanone, (2,4-dichlorophenyl)(4-phenyl-2-thiazolyl)- (9CI)  (CA INDEX
     NAME)
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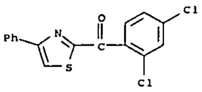

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L3   ANSWER 150 OF 162  CAPLUS  COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER:         1974:437504  CAPLUS
DOCUMENT NUMBER:          81:37504
TITLE:                    Chemotherapeutic nitroheterocycles.  XVI.
                          5-Nitrothiazole-2-carboxylic acid amides
AUTHOR(S):                Strehlke, P.; Schroeder, E.
CORPORATE SOURCE:         Forschungslab., Schering A.-G., Berlin/Bergkamen,
Fed.
                          Rep. Ger.
SOURCE:                   European Journal of Medicinal Chemistry (1974), 9(1),
                          41-3
                          CODEN: EJMCA5; ISSN: 0223-5234
DOCUMENT TYPE:            Journal
LANGUAGE:                 German
GI   For diagram(s), see printed CA Issue.
AB   Thia-zolecarboxamides I (R = NHR1, NEt2, piperidino, morpholino,
     N-methylpiperazino, NPh2; R1 = H, Me, Bu, CH2CH2OEt, CH2CH2NEt2.HCl, Ph,
     2,4-(MeO)2C6H3) were prepared from I (R = OH) via the mixed anhydride I
(R =
     OCO2CHMeEt) or directly from I (R = Cl) and the amine.  I are fungicidal,
     I (R = NH2) having min. inhibitory concns. of 6.3 γ/ml against
     Candida albicans and 12.5γ/ml against Trichophyton spp.
IT   52872-77-2P
     RL: SPN (Synthetic preparation); PREP (Preparation)
        (preparation of)
RN   52872-77-2  CAPLUS
CN   2-Thiazolecarboxamide, N-(2,4-dimethoxyphenyl)-5-nitro- (9CI)  (CA INDEX
     NAME)
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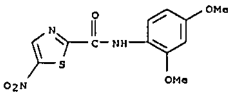

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L3   ANSWER 151 OF 162  CAPLUS  COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER:         1974:437503  CAPLUS
DOCUMENT NUMBER:          81:37503
TITLE:                    Chemotherapeutic nitroheterocycles.  XV.  Synthesis
of
                          the antifungal agent, 2-acyl-5-nitrothiazole by the
                          Friedel-Crafts reaction
AUTHOR(S):                Strehlke, P.
CORPORATE SOURCE:         Forschungslab., Scherin A.-G., Berlin/Bergkamen, Fed.
                          Rep. Ger.
SOURCE:                   European Journal of Medicinal Chemistry (1974), 9(1),
                          35-40
                          CODEN: EJMCA5; ISSN: 0223-5234
DOCUMENT TYPE:            Journal
LANGUAGE:                 German
GI   For diagram(s), see printed CA Issue.
AB   Benzoylthiazoles I (R = substituted phenyl, 30 compds.) were prepared by
     Friedel-Crafts reaction of I (R = Cl) with the substituted benzene in the
     presence of AlCl3.  I (R = 2-furyl, 3-furyl, 2-thienyl, 3-thienyl,
     2-pyrrolyl, 3-pyrrolyl, which may be substituted by Me, Ph, Br, or iodo)
     (15 compds.) similarly were obtained in the presence of TiCl4 or AlCl3.
I
     (R = 4-HOC6H4, 4-FC6H4, 2-furyl, 2-thienyl) had min. inhibitory concns.
of
     0.8-3-1 γ/ml against Staphylococcus aureus and Trichophyton rubrum.
IT   50689-92-4P 50690-02-3P 52872-51-2P
     52872-55-6P 52872-56-7P 52872-58-9P
     52872-60-3P 52872-61-4P 52872-62-5P
     52872-75-0P 52928-08-2P
     RL: SPN (Synthetic preparation); PREP (Preparation)
        (preparation of)
RN   50689-92-4  CAPLUS
CN   Methanone, (2-hydroxy-4-methoxyphenyl)(5-nitro-2-thiazolyl)- (9CI)  (CA
     INDEX NAME)
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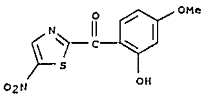

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RN   50690-02-3  CAPLUS
CN   Methanone, (2,4-dihydroxyphenyl)(5-nitro-2-thiazolyl)- (9CI)  (CA INDEX
     NAME)
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L3   ANSWER 151 OF 162  CAPLUS  COPYRIGHT 2007 ACS on STN     (Continued)
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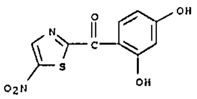

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RN   52872-51-2  CAPLUS
CN   Methanone, (2-methoxy-4-methylphenyl)(5-nitro-2-thiazolyl)- (9CI)  (CA
     INDEX NAME)
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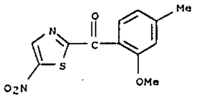

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RN   52872-55-6  CAPLUS
CN   Methanone, (4-methoxy-2-methylphenyl)(5-nitro-2-thiazolyl)- (9CI)  (CA
     INDEX NAME)
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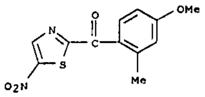

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RN   52872-56-7  CAPLUS
CN   Methanone, (2-methoxy-5-methylphenyl)(5-nitro-2-thiazolyl)- (9CI)  (CA
     INDEX NAME)
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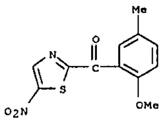

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RN   52872-58-9  CAPLUS
CN   Methanone, (4-hydroxy-2,3,5-trimethylphenyl)(5-nitro-2-thiazolyl)- (9CI)
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L3   ANSWER 151 OF 162  CAPLUS  COPYRIGHT 2007 ACS on STN     (Continued)
     (CA INDEX NAME)
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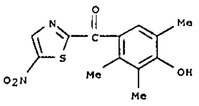

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RN   52872-60-3  CAPLUS
CN   Methanone, (2-fluoro-3,4-dimethylphenyl)(5-nitro-2-thiazolyl)- (9CI)  (CA
     INDEX NAME)
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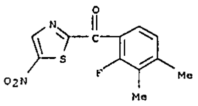

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RN   52872-61-4  CAPLUS
CN   Methanone, (2-fluoro-4-methoxyphenyl)(5-nitro-2-thiazolyl)- (9CI)  (CA
     INDEX NAME)
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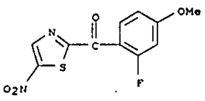

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RN   52872-62-5  CAPLUS
CN   Methanone, (2-chloro-4-methoxyphenyl)(5-nitro-2-thiazolyl)- (9CI)  (CA
     INDEX NAME)
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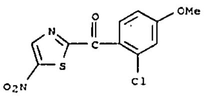

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RN   52872-75-0  CAPLUS
CN   Methanone, (4-chloro-2-methoxyphenyl)(5-nitro-2-thiazolyl)- (9CI)  (CA
     INDEX NAME)
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L3   ANSWER 151 OF 162  CAPLUS  COPYRIGHT 2007 ACS on STN     (Continued)
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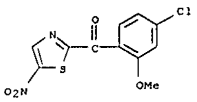

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RN   52928-08-2  CAPLUS
CN   Methanone, (4-methoxy-2,3,6-trimethylphenyl)(5-nitro-2-thiazolyl)- (9CI)
     (CA INDEX NAME)
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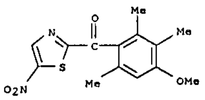


L3 ANSWER 152 OF 162 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1973:505239 CAPLUS
DOCUMENT NUMBER: 79:105239
TITLE: Fungicidal 2-acyl-5-nitrothiazoles
INVENTOR(S): Strehlke, Peter; Schroeder, Eberhard; Kessler, Hans J.
PATENT ASSIGNEE(S): Schering A.-G.
SOURCE: Ger. Offen., 15 pp.
CODEN: GWXXBX
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

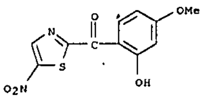
PATENT NO.	KIND	DATE	APPLICATION NO.		DATE
DE 2204364	A1	19730802	DE 1972-2204364		19720127
CH 569000	A5	19751114	CH 1972-6268		19720427
DD 100719	A5	19731005	DD 1972-163353		19720601
AT 315166	B	19740510	AT 1972-5157		19720615
SE 377939	B	19750804	SE 1972-8197		19720621
HU 162904	B	19730428	HU 1972-SC400		19720622
BE 785368	A1	19721227	BE 1972-119108		19720623
FR 2169018	A1	19730907	FR 1972-22737		19720623
US 3830826	A	19740820	US 1972-265462		19720623
NL 7208801	A	19730731	NL 1972-8801		19720626
GB 1400604	A	19750716	GB 1972-29830		19720626
IL 39838	A	19750522	IL 1972-39838		19720706
SU 432722	A3	19740615	SU 1972-1813601		19720721
ES 405438	A1	19750716	ES 1972-405438		19720802
ES 405437	A1	19750901	ES 1972-405437		19720802
AU 7245753	A	19740221	AU 1972-45753		19720818
CA 987326	A1	19760413	CA 1972-149736		19720818
JP 48085571	A	19731113	JP 1972-83552		19720821
PRIORITY APPLN. INFO.:			DE 1972-2204364	A	19720127

GI For diagram(s), see printed CA Issue.

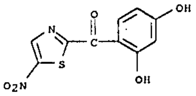
AB Twenty-one title compds. I, Rn = e.g. H, 4-Me, 4-OH, 4-OBu, 4-SMe, 4-F, 3,4-(OMe)2, 2,4-(OH)2, 3,4-Me(OMe)2, 2,4-OH(OMe), or 3,4-ClMe; R1 = H or Me; X = O, S, or NMe , used as fungicides, e.g. against dermatophytes, and useful as bactericides, were prepared by reaction of 5-nitrothiazole-2-carbonyl chloride (I, Q = Cl) with HQ in the presence of AlCl3.

IT 50689-92-4P 50690-02-3P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)
RN 50689-92-4 CAPLUS
CN Methanone, (2-hydroxy-4-methoxyphenyl)(5-nitro-2-thiazolyl)- (9CI) (CA INDEX NAME)

L3 ANSWER 152 OF 162 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



RN 50690-02-3 CAPLUS
CN Methanone, (2,4-dihydroxyphenyl)(5-nitro-2-thiazolyl)- (9CI) (CA INDEX NAME)

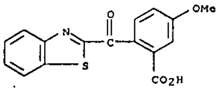


L3 ANSWER 153 OF 162 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1973:147860 CAPLUS
DOCUMENT NUMBER: 78:147860
TITLE: Isoquinolino[3,2-b]benzothiazole derivatives
AUTHOR(S): Bubnovskaya, V. N.; Miskevich, G. N.; Babichev, F. S.
CORPORATE SOURCE: Kiev. Gos. Univ. im. Shevchenko, Kiev, USSR
SOURCE: Ukrainskii Khimicheskii Zhurnal (Russian Edition) (1973), 39(2), 188-93
CODEN: UKZHAU; ISSN: 0041-6045
DOCUMENT TYPE: Journal
LANGUAGE: Russian

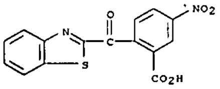
GI For diagram(s), see printed CA Issue.

AB O-H2NC6H4SH reacted with 5-substituted homophthalic anhydrides to to form 2-substituted benzylbenzothiazoles (I, R = OMe, AcNH, NO2). I were oxidized to the corresponding ketones with KMnO4 and the ketones cyclyzed to 9-substituted isoquinolino [3,2-b]benzothiazolones (II) by heating at 230-70°. II form salts with h2SO4. The Me ester of I (R = MeO) was reduced to the alc. with LiAlH4, converted to the bromide, and cyclized to III. This compound reacted with 1,3,3-trimethyl-2-formylmethylenindoline and 3-ethyl-2-formylmethylenebenzothiazoline to form cyanine dyes. It was also dehydrogenated with chloranil to 9-methoxyisquinolino [3,2-b]benzothiazolinium perchlorate, a compound having an uv spectrum very similar to the salt of II (R = MeO).

IT 41471-19-6P 41471-20-9P 41471-22-1P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)
RN 41471-19-6 CAPLUS
CN Benzoic acid, 2-(2-benzothiazolylcarbonyl)-5-methoxy- (9CI) (CA INDEX NAME)

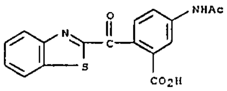


RN 41471-20-9 CAPLUS
CN Benzoic acid, 2-(2-benzothiazolylcarbonyl)-5-nitro- (9CI) (CA INDEX NAME)



RN 41471-22-1 CAPLUS
CN Benzoic acid, 5-(acetylamino)-2-(2-benzothiazolylcarbonyl)- (9CI) (CA INDEX NAME)

L3 ANSWER 153 OF 162 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



L3 ANSWER 154 OF 162 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 1973:99069 CAPLUS

DOCUMENT NUMBER: 78:99069

TITLE: Azo dyes for color photography

INVENTOR(S): Piller, Bernhard; Lenoir, John; Froehlich, Alfred; Stauner, Thomas; Tschopp, Paul

PATENT ASSIGNEE(S): Ciba-Geigy A.-G.

SOURCE: Ger. Offen., 104 pp.
CODEN: GWXXBX

DOCUMENT TYPE: Patent

LANGUAGE: German

FAMILY ACC. NUM. COUNT: 3

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 2216592	A	19721019	DE 1972-2216592	19720406
DE 2216592	C2	19820930		
CH 572230	A5	19760130	CH 1971-5058	19710407
CH 566029	A5	19750829	CH 1971-7208	19710514
CH 572231	A5	19760130	CH 1971-13605	19710916
AU 7240352	A	19730927	AU 1972-40352	19720323
AU 7240651	A	19731004	AU 1972-40651	19720330
CA 985675	A1	19760316	CA 1972-138612	19720330
CA 987310	A1	19760413	CA 1972-138614	19720330
IT 958675	B	19731030	IT 1972-89525	19720405
IT 958676	B	19731030	IT 1972-89526	19720405
GB 1372448	A	19741030	GB 1972-15612	19720405
BE 781728	A1	19721006	BE 1972-115988	19720406
BE 781729	A1	19721006	BE 1972-115989	19720406
NL 7204615	A	19721010	NL 1972-4615	19720406
NL 7204616	A	19721010	NL 1972-4616	19720406
FR 2132697	A5	19721124	FR 1972-12026	19720406
FR 2132697	B1	19740913		
FR 2132734	A5	19721124	FR 1972-12183	19720406
FR 2132734	B1	19740802		
JP 56011941	B	19810318	JP 1972-33985	19720406
AT 317672	B	19740910	AT 1972-3022	19720407
JP 56011942	B	19810318	JP 1972-34511	19720407
US 4118232	A	19781003	US 1977-777867	19770315

PRIORITY APPLN. INFO.:
CH 1971-5058 A 19710407
CH 1971-7208 A 19710514
CH 1971-13605 A 19710916
US 1972-238944 A1 19720328
US 1975-606395 A3 19750821

AB Approx. 300 disazo dyes (I, R=H, Me, alkylaryl; X = halogen, Me, OMe, SMe, CF3, NHBz; Q = aromatic or heterocyclic dicarboxylic acid residue) were prepared by the reaction of an amino azo compound with a diacyl chloride and are especially useful for diffusion transfer Ag-dye bleach processes. Thus,

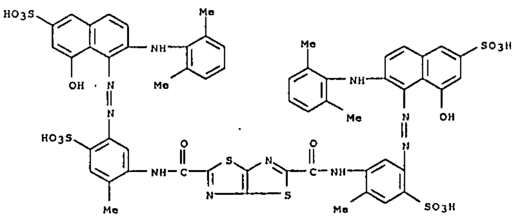
L3 ANSWER 154 OF 162 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

5,4,2-Me(O2N)(H2N)C6H2SO3NH4 was diazotized and coupled with ZH (R = 2,6-Me2C6H3), reduced with Na2S, and acylated with m-C6H4(COCl)2 to give disazo dye (II R = 2,6-Me2C6H3 in Z) [38215-20-2], λmax. 524 and 542 nm in DMF. In another example, 4,3-Cl(H2N)C6H3CO2Me was acylated with 4-MeC6H4COCl to give 2,5-Cl(MeO2C)C6H3NHCOC6H4Me-4, followed by hydrolysis, oxidn. with KMnO4, and treatment with SOCl2 to give 2,5-Cl(ClCO)C6H3NHCOC6H4COCl-4 which was condensed with 5,4,2-Me(H2N)(HO3S)C6H2N:NZ (R = 2,6-Me2C6H3 in Z) to give disazo dye (III R = 2,6-Me2C6H3) [38359-32-9], λmax. 526 and 545 in DMF-H2O.

IT 41522-69-4 41522-70-7 41554-00-1
RL: USES (Uses)
(photog. sensitization maximum of)

RN 41522-69-4 CAPLUS

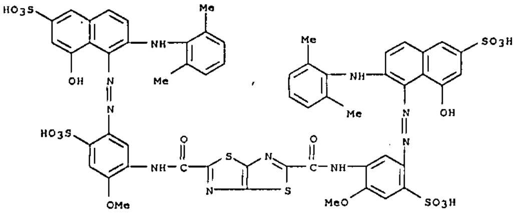
CN 2-Naphthalenesulfonic acid, 5,5'-[thiazolo[5,4-d]thiazole-2,5-diylbis[carbonylimino(4-methyl-6-sulfo-3,1-phenylene)azo]]bis[6-[(2,6-dimethylphenyl)amino]-4-hydroxy- (9CI) (CA INDEX NAME)



RN 41522-70-7 CAPLUS

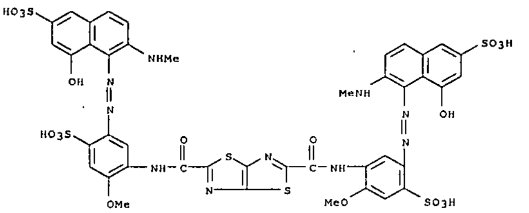
CN 2-Naphthalenesulfonic acid, 5,5'-[thiazolo[5,4-d]thiazole-2,5-diylbis[carbonylimino(4-methoxy-6-sulfo-3,1-phenylene)azo]]bis[6-[(2,6-dimethylphenyl)amino]-4-hydroxy- (9CI) (CA INDEX NAME)

L3 ANSWER 154 OF 162 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



RN 41554-00-1 CAPLUS

CN 2-Naphthalenesulfonic acid, 5,5'-[thiazolo[5,4-d]thiazole-2,5-diylbis[carbonylimino(4-methoxy-6-sulfo-3,1-phenylene)azo]]bis[4-hydroxy-6-(methylamino)- (9CI) (CA INDEX NAME)



L3 ANSWER 155 OF 162 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 1973:43533 CAPLUS

DOCUMENT NUMBER: 78:43533

TITLE: Sedative benzodiazepines

INVENTOR(S): Broger, Emil; Field, George Francis; Sternbach, Leo H.

PATENT ASSIGNEE(S): Hoffmann-La Roche, F., und Co., A.-G.

SOURCE: Ger. Offen., 68 pp.
CODEN: GWXXBX

DOCUMENT TYPE: Patent

LANGUAGE: German

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 2223648	A	19721116	DE 1972-2223648	19720515
NL 7206427	A	19721115	NL 1972-6427	19720512
FR 2137839	A5	19721229	FR 1972-17069	19720512
FR 2137839	B1	19750314		
ZA 7203228	A	19730228	ZA 1972-3228	19720512
AU 7242232	A	19731115	AU 1972-42232	19720512
GB 1355170	A	19740605	GB 1972-22358	19720512
BE 783475	A1	19721116	BE 1972-117487	19720515

PRIORITY APPLN. INFO.: US 1971-143276 A 19710513

GI For diagram(s), see printed CA Issue.

AB About 20 title compds. (I, Q = CO or CH2; R = H or Me; R1 = H or OH; R2 = 1-methyl-5-pyrazolyl, 1-methyl-2-imidazolyl, 2-thiazolyl, or 5-isothiazolyl; R3 = H, Cl, iodo, NO2, NH2, or adamantanecarboxamido) and II were used as sedatives, anticonvulsants, and muscle relaxants. I (Q = CO) were prepared by treatment of 5,2-R3(BrR1HCOCRN)C6H3COR2 with NH3(k), I (Q = CH2) were prepared by reaction of 5,2-R3ClC6H3COR2 with H2NCHR1CH2NHR. Other derivs. were prepared by known reactions, e.g. methylation of I (R = H), reduction of I (R3 = NO2) to give I (R3 = NH3) and diazotization of these to give I '(R3 = Cl). II was obtained from the corresponding I (R = Me, R1 = H, -R2 = 2-thiazolyl, R3 = NO2, Q = CH2) by reduction with Fe in HCl. Pharmaceutical compns. containing I (Q = CO, R = Me, R1 = H, R2 = 2-thiazolyl, R3 = Cl) were reported.

IT 39254-67-6P 39254-68-7P 39254-78-9P
39254-87-0P 39264-16-9P 39264-18-1P
39264-22-7P 39481-63-5P 39481-64-6P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)

RN 39254-67-6 CAPLUS

CN Methanone, (5-chloro-2-nitrophenyl)-2-thiazolyl- (9CI) (CA INDEX NAME)

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L3   ANSWER 155 OF 162  CAPLUS  COPYRIGHT 2007 ACS on STN      (Continued)
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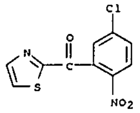

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RN   39254-68-7  CAPLUS
CN   Methanone, (2-amino-5-chlorophenyl)-2-thiazolyl- (9CI)  (CA INDEX NAME)
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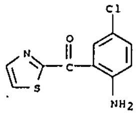

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RN   39254-78-9  CAPLUS
CN   Methanone, (2-amino-5-iodophenyl)-2-thiazolyl- (9CI)  (CA INDEX NAME)
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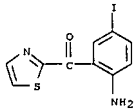

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RN   39254-87-0  CAPLUS
CN   Methanone, (2-aminophenyl)-2-thiazolyl- (9CI)  (CA INDEX NAME)
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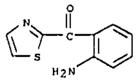

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RN   39264-16-9  CAPLUS
CN   Methanone, (2-nitrophenyl)-2-thiazolyl- (9CI)  (CA INDEX NAME)
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L3   ANSWER 155 OF 162  CAPLUS  COPYRIGHT 2007 ACS on STN      (Continued)
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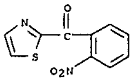

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RN   39264-18-1  CAPLUS
CN   Acetamide, 2-bromo-N-[2-(2-thiazolylcarbonyl)phenyl]- (9CI)  (CA INDEX
     NAME)
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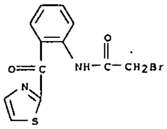

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RN   39264-22-7  CAPLUS
CN   Methanone, (2-chloro-5-nitrophenyl)-2-thiazolyl- (9CI)  (CA INDEX NAME)
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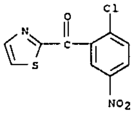

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RN   39481-63-5  CAPLUS
CN   Acetamide, 2-bromo-N-[4-chloro-2-(2-thiazolylcarbonyl)phenyl]- (9CI)  (CA
     INDEX NAME)
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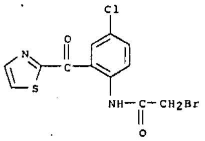

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L3   ANSWER 155 OF 162  CAPLUS  COPYRIGHT 2007 ACS on STN      (Continued)
RN   39481-64-6  CAPLUS
CN   Acetamide, 2-bromo-N-[4-iodo-2-(2-thiazolylcarbonyl)phenyl]- (9CI)  (CA
     INDEX NAME)
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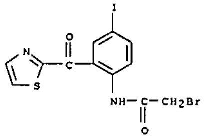

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IT   39254-87-0
     RL: RCT (Reactant); RACT (Reactant or reagent)
        (reaction of, with iodine monochloride)
RN   39254-87-0  CAPLUS
CN   Methanone, (2-aminophenyl)-2-thiazolyl- (9CI)  (CA INDEX NAME)
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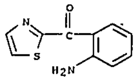

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L3   ANSWER 156 OF 162  CAPLUS  COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER:        1973:29771  CAPLUS
DOCUMENT NUMBER:         78:29771
TITLE:                   1-(2-Benzimidazolyl)-2-(2-benzazolyl
                         or-quinazolinyl)ethanes
INVENTOR(S):             Shen, Taung-Ying; Grenda, Victor Joseph; Czaja,
Robert
                         Francis
PATENT ASSIGNEE(S):      Merck and Co., Inc.
SOURCE:                  Ger. Offen., 41 pp.
                         CODEN: GWXXBX
DOCUMENT TYPE:           Patent
LANGUAGE:                German
FAMILY ACC. NUM. COUNT:  1
PATENT INFORMATION:

     PATENT NO.          KIND  DATE        APPLICATION NO.         DATE
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     DE 2219408           A    19721026    DE 1972-2219408         19720420
     NL 7204972           A    19721024    NL 1972-4972            19720413
     FR 2133979           A5   19721201    FR 1972-14052           19720420
     FR 2133979           B1   19751031
     US 3897432           A    19750729    US 1973-393383          19730831
PRIORITY APPLN. INFO.:                     US 1971-136186       A  19710421

GI   For diagram(s), see printed CA Issue.
AB   Ten title compds. [I, Q = N; A = S, O, NH, or NHCO; or Q = CHNH; A =
chemical
     bond; R = H or OH; R1 = H or Me; Rn2 = H, 5-MeO, or 4,5-(MeO)2; R3, R4 =
H
     or MeO] and (or) their salts with HCl, useful as virucides, especially
against
     rhinoviruses, were prepared  Thus, reaction of NC(CH2)2C(:NH)OMe.HCl with
     3,4-(H2N)2C6H3OMe in EtOH gave 5-methoxy-2-(β-
     cyanoethyl)benzimidazole (II).  II was treated with EtOH and HCl(g) in
     CHCl3 to give Et 3-(5-methoxy-2-benzimidazolyl)-propionimidate-2HCl.
This
     reacted with 2,5-H2N(MeO)C6H3SH.HCl and K2CO3 in MeOH to give, after
     treatment with HCl, I.2HCl (Q = N, A = S, R = R1 = H, Rn2 = 5-MeO, R3 =
H,
     R4 = MeO).
IT   39660-38-3P 39735-23-4P 39735-24-5P
     RL: SPN (Synthetic preparation); PREP (Preparation)
        (preparation of)
RN   39660-38-3  CAPLUS
CN   2-Benzothiazolepropanamide, N-[2-amino-4(or 5)-methoxyphenyl]-
     α,β-dihydroxy-6-methoxy-, [R-(R*,R*)]- (9CI)  (CA INDEX NAME)
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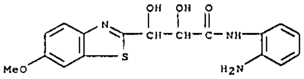

D1—O—Me

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L3   ANSWER 156 OF 162  CAPLUS  COPYRIGHT 2007 ACS on STN     (Continued)
RN   39735-23-4  CAPLUS
CN   2-Benzothiazolepropanamide, α,β-bis(acetyloxy)-N-[2-amino-4(or
     5)-methoxyphenyl]-6-methoxy-, [R-(R*,R*)]- (9CI)  (CA INDEX NAME)
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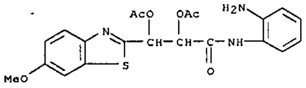

D1—O—Me

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RN   39735-24-5  CAPLUS
CN   2-Benzothiazolepropanamide, N-[2-amino-4(or 5)-methoxyphenyl]-
     α,β-dihydroxy-6-methoxy-, dihydrochloride, [R-(R*,R*)]- (9CI)
     (CA INDEX NAME)
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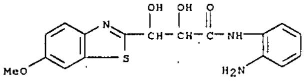

D1—O—Me

●2 HCl

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L3   ANSWER 157 OF 162  CAPLUS  COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER:         1971:419402  CAPLUS
DOCUMENT NUMBER:          75:19402
ORIGINAL REFERENCE NO.:   75:3103a,3106a
TITLE:                    Homolytic acylation of benzothiazole.  Diagnostic
                          criterion for the presence of acyl radicals
AUTHOR(S):                Minisci, F.; Caronna, T.; Galli, R.; Malatesta, V.
CORPORATE SOURCE:         Ist. Chim. Org., Univ. Parma, Parma, Italy
SOURCE:                   Journal of the Chemical Society [Section] C:  Organic
                          (1971), (10), 1747-50
                          CODEN: JSOOAX; ISSN: 0022-4952
DOCUMENT TYPE:            Journal
LANGUAGE:                 English
OTHER SOURCE(S):          CASREACT 75:19402
AB   Benzothiazole was acylated selectively in the 2-position by acyl radicals
     obtained from aldehydes.  The nucleophilicity of acyl radicals was
     confirmed by the higher reactivity of the 6-nitro derivative  The
reaction
     detected acyl radicals in the oxidation of aldehydes with O, Ce(IV),
Cr(VI),
     or Mn(VI).
IT   33429-10-6P
     RL: SPN (Synthetic preparation); PREP (Preparation)
        (preparation of)
RN   33429-10-6  CAPLUS
CN   Ketone, 2-benzothiazolyl o-hydroxyphenyl (8CI)  (CA INDEX NAME)
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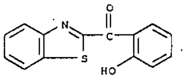

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L3   ANSWER 158 OF 162  CAPLUS  COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER:         1971:406008  CAPLUS
DOCUMENT NUMBER:          75:6008
ORIGINAL REFERENCE NO.:   75:1003a,1006a
TITLE:                    Organosilicon compounds.  XIII.  Cleavage of the
                          silicon-carbon bond of 2-trimethylsilylbenzothiazole
AUTHOR(S):                Thames, Shelby F.; Pinkerton, Frank H.
CORPORATE SOURCE:         Dep. Polym. Sci., Univ. Southern Mississippi,
                          Hattiesburg, MS, USA
SOURCE:                   Journal of Heterocyclic Chemistry (1971), 8(2), 257-9
                          CODEN: JHTCAD; ISSN: 0022-152X
DOCUMENT TYPE:            Journal
LANGUAGE:                 English
OTHER SOURCE(S):          CASREACT 75:6008
AB   The high-yield synthesis of 2-(trimethylsilyl)benzothiazole from
     benzothiazole and BuLi, followed by treatment with ClSiMe3 at -75°
     is described, and the labile nature of this silicon-heterocyclic bond is
     proved when cleavage is affected by PhCHO, PhCOCl, ClCO2Et and phthalic
     anhydrides to give 2-PhC(OSiMe3)H-substituted, 2-(Bz-substituted),
     2-(CO2Et-substituted), and 2-(2-HO2CC6H4CO-substituted) benzothiazoles,
     resp.  Justification for this unusual reactivity and further insight into
     the reaction mechanism is offered.
IT   32137-77-2P
     RL: SPN (Synthetic preparation); PREP (Preparation)
        (preparation of)
RN   32137-77-2  CAPLUS
CN   Benzoic acid, 2-(2-benzothiazolylcarbonyl)- (9CI)  (CA INDEX NAME)
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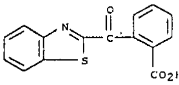

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L3   ANSWER 159 OF 162  CAPLUS  COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER:         1970:521569  CAPLUS
DOCUMENT NUMBER:          73:121569
ORIGINAL REFERENCE NO.:   73:19821a,19824a
TITLE:                    Thiazolo[5,4-d]thiazole fluorescent whitening agents
PATENT ASSIGNEE(S):       Eastman Kodak Co.
SOURCE:                   Fr. Demande, 10 pp.
                          CODEN: FRXXBL
DOCUMENT TYPE:            Patent
LANGUAGE:                 French
FAMILY ACC. NUM. COUNT:   1
PATENT INFORMATION:

     PATENT NO.          KIND   DATE        APPLICATION NO.         DATE
     ---------------     ----   --------    --------------------    --------
     FR 2009253                 19700130    FR 1969-16849           19690523
     GB 1243060                             GB
PRIORITY APPLN. INFO.:                      GB                      19680524

GI   For diagram(s), see printed CA Issue.
AB   The title compds. (I) were prepared and used as fluorescent whitening
agents
     for polymers and in photography.  Thus, a mixture of 1.2 g H2NCSCSNH2
(II)
     and 15.6 g 1-C10H7CHO was heated at 200° for 15 min, cooled, and
     diluted with 150 ml Me2CO to give I (R = 1-C10H7), yellow needles m.
     238-9° (C6H6).  Similarly, other I were prepared (R and m.p. given):
     2-C10H7, 285-8° (C6H6); 9-phenanthryl, 300° (pyridine);
     4-PhC6H4, 300° (CHCl3); 2-thienyl, 246-7° (C6H6);
     2-benzimidazolyl, -.  I (R = 2-furyl), prepared from 2-furaldehyde and
II,
     was oxidized to I (R = CO2H) with MnO4- in pyridine, converted to the
     dichloride (III) with SOCl2, and 1.3 g III treated with a boiling
solution of
     1.09 g 2-HOC6H4NH2 in 30 ml PhCl, and refluxed for 0.5 hr to give I (R =
     CONHC6H4OH-2) (IV), m. 340°.  IV (1.6 g) was heated in 100 ml
     polyphosphoric acid for 1 hr to give 0.7 g V (X = O, R-R2 = H), which
     sublimes at 250-70°/0.1 mm.  Similarly, other IV were made (X, R,
     R1, R2, and sublimation temperature at 0.1 mm given):  NMe, H, H, H,
     330-60°; O, Cl, H, H, 280-320°; O, Cl, Me, Cl,
     300-20°; O, CMe2Et, H, CMe2Et, 300-20°; and I (R =
     4-(2-benzoxazolyl)phenyl, m. 300°.
IT   29608-93-3P
     RL: IMF (Industrial manufacture); PREP (Preparation)
        (preparation of)
RN   29608-93-3  CAPLUS
CN   Thiazolo[5,4-d]thiazole-2,5-dicarboxanilide, 2',2''-dihydroxy- (8CI)  (CA
     INDEX NAME)
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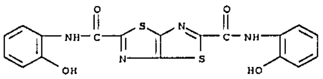


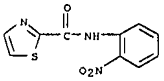
L3 ANSWER 160 OF 162 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1964:495403 CAPLUS
DOCUMENT NUMBER: 61:95403
ORIGINAL REFERENCE NO.: 61:16627g-h,16628a-d
TITLE: The metabolic fate of thiabendazole in sheep
AUTHOR(S): Tocco, Dominick J.; Buhs, Rudolf P.; Brown, Horace D.; Matzuk, Alexander R.; Mertel, Holly E.; Harman, Robert E.; Trenner, Nelson R.
CORPORATE SOURCE: Merck Inst. for Therap. Res., Rahway, NJ
SOURCE: Journal of Medicinal Chemistry (1964), 7(4), 399-405
CODEN: JMCMAR; ISSN: 0022-2623
DOCUMENT TYPE: Journal
LANGUAGE: Unavailable
OTHER SOURCE(S): CASREACT 61:95403

AB The synthesis of 14C- or 35S-labeled thiabendazole (I) and its metabolism in sheep is described. One of the metabolites of I has an OH group on the benzimidazole ring. Further metabolism produces the glucuronide and sulfate ester. Uniformly ring-labeled PhNH2-HCl treated with (COCl)2 in boiling C6H6 gave oxanilide which was sulfonated, nitrated, and hydrolyzed to give o-O2NC6H4NH2 (II). To II (1.73 g.) in 7 ml. dry pyridine was added 1.85 g. 4-thiazolecarbonyl chloride (III). The mixture was heated 2 hrs. at 75°, cooled to 25°, and poured into 200 g. ice and water. The solid was dissolved in absolute alc., treated with charcoal, concentrated to 60 ml., and 60 ml. hot water added to give 2.57 g. 4-(2-nitrophenylcarbamoyl)thiazole-U-phenyl-14C (IV), m. 145.5-6.5. Reduction of 2.5 g. IV with 2 g. 5% Pd-C at room temperature gave 1.49 g. 2-amino analog (V), m. 106.5-9° (MeOH-water 8:20), λmaximum 302,232 m. A mixture of 1.38 g. V, 19 ml. alc., 11 ml. water, and 4.1 ml. concentrated HCl was refluxed 5 hrs., concentrated, and cooled to give 1.48 g. thiabendazole-14C. HCl (VI). An aqueous solution of the HCl salt treated with NaHCO3 gave 80.8% VI, m. 301-2°, λmaximum 311, 298.5, 242.5 mμ. 35S-labeled P2S5 (0.252 g.), 0.488 g. unlabeled P2S5, and 2.868 g. EtO2CCH(CHO)NHCHO in 15 ml. pyridine was heated 16 hrs. at 100-105°, cooled, and extracted with ether to give 2.47 g. 4-ethoxycarbonylthiazole-35S (VII), m. 51.5-3°. VII was hydrolyzed with 4N NaOH to give 88.4% of the carboxylic acid (VIII). VIII and SOCl2 (2 hrs. reflux) gave 51.5% of the acid chloride (IX), m. 87-9°, purified by vacuum sublimation (70-80° at 0.1-0.2 mm.). IX and o-O2NC6H4NH2 gave 71.3% 35S analog of IV, which was cyclized to give VI-35S. 5,2-MeO(O2N)C6H2NH2 (1.7 g.) was acylated with III, to give 2.1 g. of the amide, m. 200-1, which was reduced with Pd-C (1 g.) and the amino anilide refluxed 4 hrs. with HCl to give the MeO derivative of VI (X-HCl), m. 280-300° decomposition X (400 mg.)(by neutralization of the HCl salt in MeOH) heated 45 min. with pyridine HCl at 220-40° gave 210 mg. of the OH analog (XI), m.

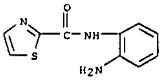
L3 ANSWER 160 OF 162 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

283-6 (EtOAc). A soln. of 108 mg. XI in 2 ml. pyridine was added to 100 mg. Et3N.SO3, left at room temp. overnight, 2 ml. water and 0.5 ml. N NaOH added, and the mixt. washed with ether. The aq. phase was lyophilized to give a solid which was dissolved in 2 ml. 50% alc., cooled, centrifuged, and the supernatant concd. at 50° to give 143 mg. sulfate ester Na salt, λmax. 302 mμ, Rf 0.27 in BuOH-AcOH-water(4:1:1). Eight lambs were dosed orally with 50 mg./kg. radioactive I. After a single dose, 90% of the radioactivity was found in the urine (73-77%) and feces (13-16% in 48 hrs. About 2% unchanged I was found in urine. Peak plasma levels of I occurred within several hrs. I disappeared in 3 days. At 6 hrs. the highest radioactivity in the tissues occurred in cecum, kidney, and small intestine. Only minute amts. of I were found in tissues after 5 days. The urine of sheep treated with I gave 6 spots on paper chromatography. Given are component and percent of total radioactivity: I, 2; XI, 10; unknown, 2, ethereal sulfate of X (XII), 14; unknown, 2, XI glucuronide (XIII), 70. XII and XIII were converted enzymically to XI. The following scheme is suggested for metabolism of I in sheep: I → XI → XII; XI → XIII.

IT 93030-52-5P, 2-Thiazolecarboxanilide-ar'-14C, 2'-nitro-
94584-70-0P, 2-Thiazolecarboxanilide-ar'-14C, 2'-amino-
RL: PREP (Preparation)
(preparation of)
RN 93030-52-5 CAPLUS
CN 2-Thiazolecarboxanilide-ar'-14C, 2'-nitro- (7CI). (CA INDEX NAME)



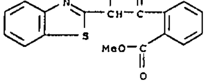
RN 94584-70-0 CAPLUS
CN 2-Thiazolecarboxanilide-ar'-14C, 2'-amino- (7CI) (CA INDEX NAME)



L3 ANSWER 161 OF 162 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1958:50607 CAPLUS
DOCUMENT NUMBER: 52:50607
ORIGINAL REFERENCE NO.: 52:9112a-d
TITLE: Nitration of phthalones
AUTHOR(S): Zalukajevs, L.; Vanags, E.
CORPORATE SOURCE: Inst. Chem., Acad. Sci. Latvian S.S.R., Riga
SOURCE: Zhurnal Obshchei Khimii (1957), 27, 3278-82
CODEN: ZOKHA4; ISSN: 0044-460X
DOCUMENT TYPE: Journal
LANGUAGE: Unavailable

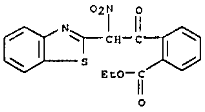
AB cf. C.A. 49, 7568e. Heating 37 g. 2-methylbenzothiazole and 37 g. o-C6H4(CO)2O 13 hrs. followed by leaching with EtOH gave a residue of 21% benzthiazophthalone, m. 350°, which with HNO3 (d. 1.47) and AcOH in 10 min. gave 71% 2-nitro-2-(2-benzothiazolyl)-1,3-indandione (I), m. 145-6° (AcOH). This treated with 3% MeONa-MeOH and acidified with AcOH gave 70% Me α-nitro-α-(2-benzothiazolyl)acetophenone-o-carboxylate, m. 193-4° (Me2CO); similarly was prepared the Et ester, m. 186-7° (C6H6). Heating I with 10% NaOH to 60°, diluting with 1 volume H2O, and brief heating at 60° gave after filtration and acidification with AcOH 50% 2-nitromethylbenzothiazole, decompose 123-4°, which heated 45 min. to 97° with 80% H2SO4 gave on addition of Na2CO3 36% benzothiazole-2-carboxylic acid, m. 105-6°, after purification through the Na salt. Heating o-C6H4(CO)2O with α-picoline 20 hrs. at 220° gave 58-61% 2-pyridylphthalone, C14H8O4N2, m. 277-80°, which with HNO3 (d. 1.36) in AcOH rapidly gave 55% 2-C5H4NC(NO2) (CO)2C6H4-o (II), decompose 151-2°, which with 3% MeONa-MeOH gave on addition of AcOH 78% Me α-nitro-2-(2-pyridyl)acetophenone-o-carboxylate, m. 139-40°, also formed on refluxing the phthalone with MeOH 0.5 hr.; use of EtONa gave the Et ester, m. 109-10°. II with 10% NaOH gave only phthalic anhydride and an impure oil which decomposed during attempted distillation and formed a picrate, m. 152-3°; thus, crude 2-nitromethylpyridine was probably obtained.

IT 101576-91-4 101717-02-6
(Derived from data in the 6th Collective Formula Index (1957-1961))
RN 101576-91-4 CAPLUS
CN Benzoic acid, o-(2-benzothiazolylnitroacetyl)-, methyl ester (6CI) (CA INDEX NAME)

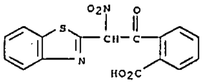


RN 101717-02-6 CAPLUS
CN Benzoic acid, o-(2-benzothiazolylnitroacetyl)-, ethyl ester (6CI) (CA INDEX NAME)

L3 ANSWER 161 OF 162 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



IT 856789-36-1, Benzoic acid, o-(2-benzothiazolylnitroacetyl)-
(esters)
RN 856789-36-1 CAPLUS
CN Benzoic acid, o-(2-benzothiazolylnitroacetyl)- (6CI) (CA INDEX NAME)



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L3   ANSWER 162 OF 162  CAPLUS  COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER:         1958:50606  CAPLUS
DOCUMENT NUMBER:          52:50606
ORIGINAL REFERENCE NO.:   52:9111g-i,9112a
TITLE:                    Compounds with two geminal indandione groups in the
                          molecule
AUTHOR(S):                Geita, L.; Vanags, G.
CORPORATE SOURCE:         Inst. Chem., Acad. Sci. Latvian S.S.R., Riga
SOURCE:                   Zhurnal Obshchei Khimii (1957), 27, 3109-14
                          CODEN: ZOKHA4; ISSN: 0044-460X
DOCUMENT TYPE:            Journal
LANGUAGE:                 Unavailable
AB   cf. C.A. 51, 1950c.  Heating 2.75 g. 1,3-indandione with 2 g. BzH in AcOH
     with 3 drops H2SO4 and allowing the mixture to stand overnight gave 72.5%
     benzalindandione, m. 152°; with HCl as catalyst the yield was
     68.4%.  Refluxing 3 g. benzalindandione with 1.86 g. indandione in EtOH
20
     min. gave on cooling a precipitate of 86.2% [o-C6H4(CO)2CH]2CHPh (I), m.
     160-1°, soluble with red color in H2SO4, also formed from excess
     indandione and BzH in EtOH.  I heated with Ac2O in the presence of H2SO4
     gave 84% phenyldibenzoylenepyran, m. 290°.  Heating
     p-nitrobenzal-1,3-indandione with 1,3-indandione in EtOH 4 hrs. gave
82.7%
     [o-C6H4(CO)2CH]2CHC6H4NO2-p, m. 190-3°, also formed from
     p-O2NC6H4CHO and indandione in EtOH.  The product with Ac2O-H2SO4 gave
     p-nitrophenyldibenzoylenepyran, m. 287°.  Similarly were obtained:
     79.4% [o-C6H4(CO2)CH]2CHC6H4NO2-o, m. 191-1.5°,
     which gave o-nitrophenyldibenzoylenepyran, m. 288°;
     [o-C6H4(CO)2CH]2CHC6H4NO2-m, decompose 179°, which gave
     m-nitrophenyldibenzoylenepyran, m. 280°.  The latter heated 4.5
     hrs. at 100° with PhNH2 and pyridine followed by heating with AcOH
     1 hr. gave red N-phenyl-4-m-nitrophenyldibenzoylenedihydropyridine, m.
     260°.
IT   101576-91-4 101717-02-6
        (Derived from data in the 6th Collective Formula Index (1957-1961))
RN   101576-91-4  CAPLUS
CN   Benzoic acid, o-(2-benzothiazolylnitroacetyl)-, methyl ester (6CI)  (CA
     INDEX NAME)
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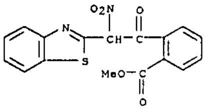

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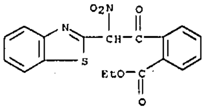

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